

Product number	Product name	Host	Format	Tested Applications	Reactivity
AS08 300	1 PEB (4x) protein extraction buffer		5 x 2 ml (4x stock) allows up to 75 isolations of plant material (using 500 µl 1x PEB for 100 mg fresh weight) or 190 isolations of algal material (using 200 µl 1x PEB for cell amounts corresponding to 4-10 µg total chlorophyll)	protein extraction	PEB has been tested on a wide range of species and tissues from Higher plants, Mosses, Lichens, Algae, Diatoms, Dinoflagellates, Cyanobacteria.
AS10 706-100	3-nitroY Nitrotyrosine	Mouse	100 µg	ELISA (ELISA), Flowcyt (Flow cytometry), Immunocytochemistry (ICC), Immunohistochemistry (IHC), Immunoprecipitation (IP), Western blot (WB)	Dog, Human, Mouse, Rat (predicted: Higher plants)
AS10 706-25	3-nitroY Nitrotyrosine (25 µg)	Mouse	25 µg	ELISA (ELISA), Flowcyt (Flow cytometry), Immunocytochemistry (ICC), Immunohistochemistry (IHC), Immunoprecipitation (IP), Western blot (WB)	Dog, Human, Mouse, Rat (predicted: Higher plants)
AS12 1871	ABI2 Abscisic acid insensitive 2	Rabbit	50 µg	Western blot (WB)	<i>Arabidopsis thaliana</i>
AS15 3029	ACD alpha crystalline domain of sHSP	Rabbit	50 µl	Western blot (WB)	recombinant sHSP with ACD domain (predicted: ACD domain of sHSP)
AS09 521	ACO1 Aconitase	Rabbit	100 µl	Western blot (WB)	<i>Arabidopsis thaliana ACO1, ACO2 and ACO3 isoforms, Brassica oleracea, Solanum lycopersicum</i> (predicted: <i>Cucurbita maxima, Nicotiana tabacum, Ricinus communis, Solanum tuberosum, Vitis vinifera, Oryza sativa, Zea mays, Picea sitcHensis, Populus trichocarpa</i>)

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AS10 685	ADH Alcohol dehydrogenase (hypoxia marker)	Rabbit	100 µl	Western blot (WB)	<i>Arabidopsis thaliana, Fragaria vesca, Oryza sativa, Phaseolus vulgaris</i>
AS10 748	ADH/ALDH Alcohol/acetaldehyde dehydrogenase (bacterial/algal)	Rabbit	200 µl	Western blot (WB)	<i>Chlamydomonas reinhardtii, E.coli, Streptococcus pneumoniae (predicted: Algae, Nannochloropsis gaditana)</i>
AS09 527P	AGO1 Argonaute 1, Blocking peptide		100 µg	Neutralization assay (NeA)	
AS13 2682	AGO2 Argonaute 2	Rabbit	50 µg	Immunoprecipitation (IP), Western blot (WB)	<i>Arabidopsis thaliana (predicted: Capsella rubella, Solanum tuberosum)</i>
AS13 2745	AHB2 Hemoglobin 2	Rabbit	50 µl	Western blot (WB)	<i>Arabidopsis thaliana (predicted: Beta vulgaris, Brassica napus, Gossypium hirsutum, Solanum lycopersicum, Solanum tuberosum)</i>
AS08 294	ALD Fructose-1,6 bisphosphate aldolase	Rabbit	100 µl	Western blot (WB)	<i>Arabidopsis thaliana, Brassica napus, Cicer arietinum, Eragrostis tef, Gracilaria gracilis (red algae), Oryza sativa, Plasmodium chabaudi, Plasmodium falciparum, Theilungiella salsuginea (predicted: Glycne max, Oryza sativa, Picea sitchensis, Physcomitrella patens, Pisum sativum, Populus jackii, Spinacia oleracea, Vitis vinifera, Zea mays)</i>
AS18 4166	ANN-1 Annexin-1	Rabbit	50 µg	Western blot (WB)	<i>Arabidopsis thaliana</i>
AS09 384	AO ascorbate oxidase	Rabbit	1 mg	ELISA (ELISA), Immunohistochemistry (IHC), Western blot (WB)	<i>Cucurbita sp. (predicted: Glycne max, Oryza sativa)</i>
AS09 383	AO ascorbate oxidase, Biotin conjugated	Rabbit	10 mg	ELISA (ELISA), Western blot (WB)	<i>Cucurbita sp. (predicted: Glycne max, Oryza sativa)</i>
AS19 4337	AO L-ascorbate oxidase	Rabbit	50ug	ELISA (ELISA), Western blot (WB)	<i>Cucurbita maxima (predicted: Cucumis melo, Cucumis sativus, Nelumbo nucifera, Theobroma cacao)</i>

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AS06 152	AOX1 Algal Alternative oxidase 1	Rabbit	50 µl	Western blot (WB)	<i>Chlamydomonas reinhardtii</i> (predicted: <i>Aspergillus niger</i> , <i>Gonium pectorale</i> , <i>Monoraphidium neglectum</i> , <i>Nannochloropsis gaditana</i> , <i>Ostreococcus lucimarinus</i> , <i>Tetrabaena socialis</i> , <i>Volvox carteri f. nagariensis</i>)
AS04 054	AOX1/2 Plant alternative oxidase 1 and 2	Rabbit	50 µl	Immunolocalization (IL), Western blot (WB)	<i>Arabidopsis thaliana</i> , <i>Betula nana</i> , <i>Beta vulgaris</i> , <i>Brassica napus</i> , <i>Brassica oleracea</i> , <i>Kandelia candel</i> , <i>Eriophorum vaginatum</i> , <i>Hordeum vulgare</i> , <i>Lupinus luteus</i> , <i>Nicotiana tabacum</i> , <i>Oryza sativa</i> , <i>Picea abies</i> , <i>Pisum sativum</i> , <i>Poa annua</i> , <i>Robinia pseudoacacia</i> , <i>Solanum lycopersicum</i> , <i>Solanum tuberosum</i> , <i>Symplocarpus renifolius</i> , <i>Physcomitrella patens</i> , <i>Tigriopus californicus</i> , <i>Triticum aestivum</i> (predicted: <i>Aegilops tauschii</i> , <i>Brachypodium distachyon</i> , <i>Capsella rubella</i> , <i>Citrus sinensis</i> , <i>Citrus clementina</i> , <i>Corylus heterophylla</i> , <i>Crocus sativus</i> , <i>Cucumis sativus</i> , <i>Daucus carota</i> , <i>Glycine max</i> , <i>Hypericum perforatum</i> , <i>Lotus japonicus</i> , <i>Malus x domestica</i> , <i>Medicago truncatula</i> , <i>Medicago sativa</i> , <i>Naegleria gruberi</i> (amoeba), <i>Nelumbo nucifera</i> , <i>Nicotiana benthamiana</i> , <i>Oryza brachyantha</i> , <i>Populus tremula</i> , <i>Picea sitchensis</i> , <i>Saccharum officinarum</i> , <i>Sauromatum venosum</i> , <i>Sorghum bicolor</i> , <i>Selaginella moellendorffii</i> , <i>Tetrahymena thermophila</i> , <i>Zea mays</i> , <i>Vigna radiata</i> , <i>Vigna unguiculata</i> , <i>Vitis vinifera</i>)
AS09 520	APase acid phosphatase	Rabbit	1 mg	ELISA (ELISA), Immunofluorescence (IF), Immunohistochemistry (IHC), Western blot (WB)	<i>Solanum tuberosum</i> (predicted: <i>Glycne max</i> , <i>Ricinus communis</i>)
AS09 541	APase acid phosphatase, Biotin conjugated	Rabbit	1 ml (10 mg/ml)	ELISA (ELISA), Immunofluorescence (IF), Immunohistochemistry (IHC), Western blot (WB)	<i>Solanum tuberosum</i> (predicted: <i>Glycne max</i> , <i>Ricinus communis</i>)

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AS08 368	APX L-ascorbate peroxidase	Rabbit	50 µl	Western blot (WB)	<i>Arabidopsis thaliana</i> , <i>Armeria maritima</i> , <i>Brassica sp.</i> , <i>Capsicum annuum</i> , <i>Citrus sp.</i> , <i>Digitaria sanguinalis</i> , <i>Echinochla crus-galli</i> , <i>Iris pumila</i> , <i>Liquidambar formosana</i> , <i>Manihot esculenta</i> , <i>Medicago sativa</i> , <i>Nicotiana tabacum</i> thylakoid-bound APX, stromal APX; <i>Oryza sativa</i> , <i>Panicum milaceum</i> , <i>Plumbago zeylanica</i> , <i>Schima superba</i> , <i>Silene vulgaris</i> , <i>Solanum lycopersicum</i> , <i>Spinacia oleracea</i> (stromal APX, thylakoid-bound), <i>Triticum aestivum</i> (predicted: <i>Brassica rapa</i> subsp. <i>oleifera</i> Stromal APX; <i>Glycine max</i> , <i>Glycine soja</i> L-ascorbate peroxidase T, chloroplastic; <i>Medicago truncatula</i> thylakoid-bound APX; <i>Mesembryanthemum crystallinum</i> , <i>Pisum sativum</i> Chloroplast stromal ascorbate peroxidase 12; <i>Solanum lycopersicum</i> thylakoid-bound APX; <i>Spinacia oleracea</i> stromal APX; <i>Theobroma cacao</i> L-APX T isoform 3; <i>Vitis vinifera</i> Species of your interest not listed? Contact us)
AS15 2992	APX1 Ascorbate peroxidase (algal)	Rabbit	50 µl	Western blot (WB)	<i>Chlamydomonas reinhardtii</i> (predicted: <i>Coccomyxa subellipsoidea</i> C-169, <i>Micromonas pusilla</i> (strain CCMP1545), <i>Nannochloropsis gaditana</i> , <i>Ostreococcus lucimarinus</i> (strain CCE991), <i>Ulva fasciata</i> , <i>Volvox carteri</i>)
AS15 2831	ATG4 Autophagy protein 4 (algal)	Rabbit	50 µl	Western blot (WB)	<i>Chlamydomonas reinhardtii</i> (predicted: <i>Coccomyxa subellipsoidea</i> C-169, <i>Tetraselmis sp.</i> GSL18, <i>Volvox carteri</i>)
AS15 3060	ATG5 Autophagy-related protein 5	Rabbit	50 µl	Western blot (WB)	Recombinant ATG5 of <i>Arabidopsis thaliana</i>

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AS15 3061	ATG7 Ubiquitin-like modifier-activating enzyme atg7	Rabbit	50 µl	Western blot (WB)	<i>Arabidopsis thaliana</i> (predicted: <i>Actinidia chinensis</i> var. <i>chinensis</i> , <i>Cajanus cajan</i> , <i>Capsicum annuum</i> , <i>Corchorus olitorius</i> , <i>Cucumis melo</i> , <i>Glycine max</i> , <i>Glycine soja</i> , <i>Gossypium arboreum</i> , <i>Juglans regia</i> , <i>Malus domestica</i> , <i>Nelumbo nucifera</i> , <i>Nicotiana tabacum</i> , <i>Nicotiana benthamiana</i> , <i>Nicotiana sylvestris</i> , <i>Noccaea caerulescens</i> , <i>Prunus yedoensis</i> var. <i>nudiflora</i> , <i>Solanum chacoense</i> , <i>Vigna radiata</i>)
AS14 2769	ATG8 Autophagy-related protein	Rabbit	50 µl	Immunolocalization (IL), Western blot (WB)	<i>Arabidopsis thaliana</i> , <i>Aponogeton madagascariensis</i> , <i>Chlamydomonas reinhardtii</i> , <i>Populus trichocarpa</i> , <i>Solanum lycopersicum</i> (predicted: <i>Brassica napus</i> , <i>Micromonas</i> sp., <i>Physcomitrella patens</i> , <i>Pinus sitchensis</i> , <i>Solanum tuberosum</i> , <i>Volvox carteri</i>)
AS11 1754	ATPase AAA2 domain	Rabbit	200 µl	Western blot (WB)	<i>Arabidopsis thaliana</i> , <i>Chlamydomonas reinhardtii</i> , <i>Lupinus angustifolius</i> , <i>Pisum sativum</i> , <i>Solanum tuberosum</i> , <i>Synechococcus</i> sp. PCC 7942, <i>Zea mays</i> L. (predicted: AAA2 domain containing proteins including <i>Saccharomyces cerevisiae</i> HSP14. <i>Nannochloropsis gaditana</i> ClpB chaperone)
AS16 4030	BIK1 Botrytis-induced kinase 1	Rabbit	50 µg	Western blot (WB)	<i>Arabidopsis thaliana</i> (predicted: <i>Noccaea caerulescens</i>)

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AS09 481	BiP Lumenal-binding protein (rabbit antibody)	Rabbit	50 µg	ELISA (ELISA), Immunofluorescence (IF), Immunogold (IG), Western blot (WB)	<i>Anacardium occidentale, Arabidopsis thaliana, Brassica napus, Chara australis R.Br, Chlamydomonas reinhardtii, Cucumis sativus, Mangifera indica, Moniliophthora perniciosa, Nicotiana benthamiana, Nicotiana tabacum, Raphanus sativa L. Tokinashi-daikon, Olea europaea, Oryza sativa, Picea abies, Pistachio sp., Physcomitrella patens, Schinus molle, Spinacia oleracea, Solanum lycopersicum, Solanum tuberosum, Triticum aestivum, Zea mays (predicted: Arabis alpina, Capsella rubella, Capsicum annuum, Citrus clementina, Citrus sinsensis, Eucalyptus grandis, Glycine max, Hordeum vulgare, Isatis tinctorina, Prunus persica, Triticum aestivum, Petunia hybrida, Picea sitcHensis, Populus trichocarpa, Ricinus communis, Vitis vinifera</i> Species of your interest not listed? Contact us)
AS09 481-HRP	BiP Lumenal-binding protein, HRP-conjugated (40 µg)	Rabbit	40 µg	ELISA (ELISA), Western blot (WB)	<i>Arabidopsis thaliana, Brassica napus, Chlamydomonas reinhardtii</i> Cucumis sativus, <i>Nicotiana benthamiana, Raphanus sativa L. Tokinashi-daikon, Olea europaea, Picea abies, Physcomitrella patens, Spinacia oleracea, Solanum lycopersicum, Solanum tuberosum, Triticum aestivum, Zeay mays (predicted: Arabis alpina, Capsella rubella, Capsicum annuum, Citrus clementina, Citrus sinsensis, Eucalyptus grandis, Glycine max, Hordeum vulgare, Isatis tinctorina, Nicotiana tabacum, Oryza sativa, Prunus persica, Triticum aestivum. Picea sitcHensis, Populus trichocarpa, Ricinus communis, Vitis vinifera)</i>

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AS06 180	cAPX Ascorbate peroxidase (cytosolic) (plant)	Rabbit	100 µl	Immunoprecipitation (IP), Immunolocalization (IL), Western blot (WB)	<i>Arabidopsis thaliana</i> , <i>A. toxicaria</i> , <i>Hordeum vulgare</i> , <i>Nicotiana tabacum</i> , <i>Oryza sativa</i> , <i>Pisum sativum</i> , <i>Salicornia sp.</i> , <i>Silene vulgaris</i> , <i>Solanum lycopersicum</i> , <i>Solanum lycopersicum</i> , <i>Solanum tuberosum</i> , <i>Picea silvestris</i> , <i>Zea mays</i> , <i>Zygophyllum fabago</i> (predicted: <i>Brassica. juncea</i> , <i>Citrus sinensis</i> , <i>Fragaria ananassa</i> , <i>Gossypium hirsutum</i> , <i>Solanum tuberosum</i> , <i>Sorghum bicolor</i> , <i>Pinus pinaster</i> , <i>Vitis vinifera</i>)
AS15 2991	Cat Catalase (algal)	Rabbit	50 µl	Western blot (WB)	<i>Chlamydomonas reinhardtii</i> , <i>Scenedesmus sp.</i> (predicted: <i>Coccomyxa subellipsoidea C-169</i> , <i>Nannochloropsis gaditana</i> , <i>Ulva prolifera</i> , <i>Zostera marina</i>)
AS09 501	Cat Catalase (peroxisomal marker)	Rabbit	50 µl	Immunolocalization (IL), Immunoprecipitation (IP), Western blot (WB)	<i>Arabidopsis thaliana</i> , <i>Aponogeton madagascariensis</i> , <i>Brassica oleracea</i> , <i>Hordeum vulgare</i> , <i>Lupinus albus</i> , <i>Monilophthora pernicioso</i> , <i>Musa acuminata</i> , <i>Musa paradisiaca L.</i> , <i>Nicotiana bentamina</i> , <i>Nicotiana tabacum</i> , <i>Oryza sativa</i> , <i>Paulownia tomentosa</i> , <i>Plumbago zeylanica</i> , <i>Setaria italica L. P. Beauv</i> , <i>Solanum lycopersicum</i> , <i>Spinacia oleracea</i> , <i>Triticum aestivum</i> , <i>Zea mays</i> , <i>Vitis vinifera</i> (predicted: <i>Avicennia marina</i> , <i>Betula pendula</i> , <i>Brachypodium distachyon</i> , <i>Brassica campestris</i> , <i>Brassica napus</i> , <i>Brassica rapa subsp. pekinensis</i> , <i>Citrus sp.</i> , <i>Citrus clementina</i> , <i>Citrus maxima</i> , <i>Camellia sinensis</i> , <i>Cucumis sativus</i> , <i>Cucurbita maxima</i> , <i>Cucurbita moschata</i> , <i>Elaeis guineensis var. tenera</i> , <i>Eucalyptus grandis</i> , <i>Fragaria ananassa</i> , <i>Glycine max</i> , <i>Gossypium mexicanum</i> , <i>Helianthus annuus</i> , <i>Hibiscus cannabinus</i> , <i>Litchi chinensis</i> , <i>Lupinus albus</i> , <i>Manihot esculenta</i> , <i>Morus notabilis</i> , <i>Nicotiana tabacum</i> , <i>Paenibacillus sp.</i> , <i>Pinus pinea</i> , <i>Populus jackii</i> , <i>Prunus persica</i> , <i>Raphanus sativus</i> , <i>Saccharum officinarum</i> , <i>Sesamum indicum</i>)

Product number	Product name	Host	Format	Tested Applications	Reactivity
AS07 219	CCS Chloroplastic copper chaperone for SOD	Rabbit	200 µl	Western blot (WB)	<i>Arabidopsis thaliana, Brassica juncea, Oryza sativa, Zea mays (predicted: Glycne max, Solanum tuberosum)</i>
AS06 179	CDJ1 chloroplast DnaJ homolog 1	Rabbit	100 µl	Immunoprecipitation (IP), Western blot (WB)	<i>Chlamydomonas reinhardtii (predicted: Ostreococcus sp.)</i>
AS16 4037	CERK1 Chitin elicitor receptor kinase 1	Rabbit	50 µg	Western blot (WB)	<i>Arabidopsis thaliana (predicted: Arabidopsis thaliana)</i>
AS06 176	CGE1 Alfa-CGE1, chloroplastic GrpE homolog	Rabbit	100 µl	Immunoprecipitation (IP), Western blot (WB)	<i>Chlamydomonas reinhardtii (predicted: Chlamydomonas reinhardtii)</i>
AS20 4418	CLO3 Caleosin-3	Rabbit	100 µg	Western blot (WB)	<i>Arabidopsis thaliana (predicted: Brassica napus, Camelina sativa, Capsella rubella, Raphanus sativus)</i>
AS16 4039	ClpB1 Chaperone protein ClpB1 (cyanobacterial)	Rabbit	50 µl	Western blot (WB)	<i>Synechococcus sp. strain PCC 7942 (predicted: Cyanobacteria)</i>
AS16 4040	ClpB2 Chaperone protein ClpB2 (cyanobacterial)	Rabbit	50 µl	Western blot (WB)	<i>Synechococcus sp. strain PCC 7942 (predicted: Cyanobacteria)</i>
AS09 459	ClpB-P ClpB3	Rabbit	200 µl	Western blot (WB)	<i>Arabidopsis thaliana (predicted: Populus trichocarpa, Ricinus communis, Vitis vinifera)</i>
AS12 2637	COI1 Coronate insensitive 1 (rabbit antibody)	Rabbit	50 µg	Western blot (WB)	<i>Arabidopsis thaliana (predicted: Brassica rapa, Glycine max, Medicago tribuloides, Nicotiana tabacum, Oryza sativa, Pisum sativum, Populus trichocarpa, Ricinus communis, Solanum lycopersicum, Vitis vinifera)</i>
AS06 169	COR14b Cor14b-encoded cold regulated protein	Rabbit	100 µl	Western blot (WB)	<i>Hordeum vulgare</i>
AS16 3110	Cp2 Cysteine protease	Rabbit	50 µl	Western blot (WB)	<i>Carica papaya (predicted: Cajanus cajan, Cicer arietinum, Cucumis sativus, Glycine soja, Gossypium hirsutum, Medicago truncatula, Phaseolus vulgaris, Trifolium pratense, Vicia sativa, Vigna radiata var. radiata)</i>

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AS11 1807	CPK-EF Calcium-dependent protein kinase EF domain	Rabbit	50 µg	Western blot (WB)	<i>Arabidopsis thaliana, Hordeum vulgare, Populus sp., Triticum aestivum (predicted: Brassica napus, Nicotiana tabacum, Oryza sativa, Solanum lycopersicum, Solanum tuberosum)</i>
AS14 2768	CPT6 cis-prenyltransferase 6	Rabbit	50 µg	Western blot (WB)	<i>Arabidopsis thaliana (predicted:)</i>
AS06 170	CSD2 Chloroplastic Cu/Zn superoxide dismutase	Rabbit	50 µl	Western blot (WB)	<i>Arabidopsis thaliana, Armeria maritima, Brassica juncea, Digitaria sanguinalis, Echinochloa crus-galli, Eragrostis tef, Iris pumila, Liquidambar formosana, Medicago sativa, Musa acuminata, Musa paradisiaca L., Nepeta cataria, Nepeta rtanjensis, Oryza sativa, Phalenopsis Sogo Yukidian cultivar V3, Phaseolus vulgaris, Pisum sativum, Populus sp., Schima superba, Solanum lycopersicum, Solanum tuberosum, Zea mays (predicted: Cucumis melo, Glycne max, Pinus pinaster)</i>
AS10 652	Cu/ZnSOD Cu/Zn superoxide dismutase (chicken antibody)	Chicken	100 µl	Western blot (WB)	<i>Arabidopsis thaliana (leaves), Lilium longiflorum, Olea europaea (pollen), Oryza sativa, Spinacia oleracea (leaves), Solanum lycopersicum, Zea mays (predicted: Ananas ananas, Betula pendula, Camellia sinensis, Codonis lanceolata, Cucurbita ficifolia, Helianthus sp., Hordeum vulgare, Lycopersicum esculentum, Plantago major, Populus trichocarpa, Solanum nigrum, Solanum tuberosum, Solidago sp., Vitis vinifera)</i>
AS18 4243	Cu/ZnSOD Cu/Zn superoxide dismutase (rabbit antibody)	Rabbit	50 µl	Western blot (WB)	<i>Olea europaea (pollen) (predicted: Ananas ananas, Betula pendula, Camellia sinensis, Citrus sp., Codonis lanceolata, Cucurbita ficifolia, Gossypium sp., Helianthus sp., Hordeum vulgare, Lycopersicum esculentum, Plantago major, Populus trichocarpa, Solanum nigrum, Solanum tuberosum, Solidago sp., Vitis vinifera)</i>

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AS07 206A	Dehydrin (affinity purified serum)	Rabbit	50 µg	Western blot (WB)	<i>Brassica oleracea, Cucumis sativus, Lycopersicon esculentum, Pinus sylvestris, Pistacia vera (predicted: Glycine max, Hordeum vulgare, Nicotiana tabacum, Oryza sativa, Pisum sativum, Populus sp., Zea mays)</i>
AS07 206	Dehydrin (serum)	Rabbit	200 µl	Western blot (WB)	<i>Agostis stolonifera cv.Penncross, Betula pubescens, Betula pendula, Betula pendula var. carelica, Hordeum spontaneum, Larix cajanderi, Malus spp., Picea obovata, Picea abies, Pinus sylvestris, Pinus strobus, Pinus sylvestris (predicted: Arabidopsis thaliana, Glycine max, Nicotiana tabacum, Pisum sativum, Hordeum vulgare, Oryza sativa, Populus sp., Zea mays)</i>
AS10 206S	Dehydrin blocking peptide		500 µg		Neutralization assay (NeA)
AS16 4101	Dehydrin ERD10	Rabbit	50 µl	Surface plasmon resonance (SPR)	Brassica napus (predicted: Brassica juncea, Brassica rapa, Capsella bursa-pastoris, Noccaea caerulea)
AS10 206PRE	Dehydrin, pre-immune serum	Rabbit	100 µl		
AS11 1746	DHAR1 Dehydroascorbate Reductase 1	Rabbit	200 µg	Western blot (WB)	Arabidopsis thaliana, Kandelia candel, Solanum lycopersicum (predicted: Nicotiana tabacum, Populus trichocarpa, Ricinus communis, Solanum tuberosum, Triticum aestivum, Zinnia elegans)
AS11 1747	DHAR2 Dehydroascorbate Reductase 2	Rabbit	200 µg	Western blot (WB)	<i>Arabidopsis thaliana (predicted: Ricinus communis, Populus trichocarpa)</i>
AS11 1632	DMPO DMPO nitron adduct (clone N1664A)	Mouse	100 µl	ELISA (ELISA), Immunocytochemistry (ICC), Immuno-spin trapping (IT), Immunoprecipitation (IP), Western blot (WB)	DMPO (species independent) (predicted: DMPO (species independent))
AS15 2887	DNA Damage (8-OHdG) ELISA kit		1		

Product number	Product name	Host	Format	Tested Applications	Reactivity
AS15 2887X5	DNA Damage (8-OHdG) ELISA kit, X5		1		
AS07 271	DnaJ prokaryotic heat shock protein	Rabbit	200 µl	Western blot (WB)	<i>Chlamydomonas reinhardtii</i> (predicted: <i>Chlamydomonas reinhardtii</i>)
AS07 270	DnaK chloroplast stromal chaperone	Rabbit	50 µl	Western blot (WB)	<i>Chlamydomonas reinhardtii</i> , <i>Synechocystis 683 motile</i> , <i>Synechocystis 683 GT (glucose tolerant strain)</i> , <i>Synechococcus elongates sp. PCC7942</i>
AS08 350	DnaK2 Heat shock protein 70-2 (HSP70-2)	Rabbit	200 µl	Western blot (WB)	<i>Synechocystis PCC 683</i> (predicted: <i>Anabaena sp.</i> , <i>Crocospaera watsonii</i> , <i>Cyanothece sp. PCC 7424</i> , <i>Lyngbya sp. PCC 816</i> , <i>Microcoleus chthonoplastes PCC 742</i> , <i>Nodularia spumigena CCY 9414</i> , <i>Nostoc sp.</i> , <i>Synechococcus sp. PCC 7942</i> and other cyanobacterial strains)
AS13 2751	EDS1 Enhanced disease susceptibility 1	Rabbit	50 µg	Western blot (WB)	<i>Arabidopsis thaliana</i> (predicted: <i>Arabidopsis thaliana</i>)
AS12 1865	EIN2 Ethylene insensitive 2	Rabbit	50 µg	Western blot (WB)	<i>Arabidopsis thaliana</i> (predicted: <i>Brachypodium distachyon</i> , <i>Cucumis sativus</i> , <i>Glycine max</i> , <i>Hordeum vulgare</i> , <i>Medicago truncatula</i> , <i>Nicotiana tabacum</i> , <i>Solanum lycopersicum</i> , <i>Oryza sativa</i> , <i>Phtheirospermum japonicum</i> , <i>Populus trichocarpa</i> , <i>Ricinus communis</i> , <i>Solanum lycopersicum</i> , <i>Sorghum bicolor</i> , <i>Triticum aestivum</i> , , <i>Zea mays</i> , <i>Vitis vinifera</i>)
AS10 651	Enolase 2	Rabbit	200 µl	Western blot (WB)	<i>Arabidopsis thaliana</i> , <i>Helianthus annuus</i> (predicted: <i>Brassica sp.</i> , <i>Chlamydomonas reinhardtii</i> , <i>Lycopersicum esculentum</i> , <i>Gossypium mexicanum</i> , <i>Nannochloropsis gaditana</i> , <i>Nicotiana tabacum</i> , <i>Oryza sativa</i> , <i>Physcomitrella patens</i> , <i>Populus balsamifera</i> , <i>Ricinus communis</i> , <i>Zea mays</i>)
AS19 4317	ERD7 Early Response to Dehydration 7 (chloroplastic)	Rabbit	50 µl	Western blot (WB)	<i>Arabidopsis thaliana</i> (predicted: <i>Arabidopsis thaliana</i>)

Product number	Product name	Host	Format	Tested Applications	Reactivity
AS16 3972	FAAH Fatty acid amide hydrolase	Rabbit	50 µg	Western blot (WB)	<i>Arabidopsis thaliana</i> (predicted: <i>Acorus calamus</i> , <i>Actinidia chinensis</i> var. <i>chinensis</i> , <i>Aquilegia coerulea</i> , <i>Chimonanthus praecox</i> , <i>Chloranthus japonicus</i> , <i>Cucumis melo</i> , <i>Dioscorea oppositifolia</i> , <i>Eucalyptus grandis</i> , <i>Fragaria vesca</i> , <i>Glycine soja</i> , <i>Gossypium raimondii</i> , <i>Houttuynia cordata</i> , <i>Magnolia denudata</i> , <i>Manihot esculenta</i> , <i>Morus notabilis</i> , <i>Nelumbo nucifera</i> , <i>Panicum miliaceum</i> , <i>Phaseolus vulgaris</i> , <i>Phoenix dactylifera</i> , <i>Platanus acerifolia</i> , <i>Populus trichocarpa</i> , <i>Ricinus communis</i> , <i>Sarcandra glabra</i> , <i>Setaria italica</i> , <i>Sorghum bicolor</i> , <i>Theobroma cacao</i> , <i>Trachycarpus fortunei</i> , <i>Zea mays</i> , <i>Zostera marina</i> , <i>Vigna radiata</i> , <i>Vitis vinifera</i> , <i>Yucca filamentosa</i>)
AS06 125	FeSOD Chloroplastic Fe-dependent superoxide dismutase	Rabbit	50 µl	Western blot (WB)	<i>Armeria maritima</i> , <i>Arabidopsis thaliana</i> , <i>Brassica juncea</i> , <i>Chlamydomonas reinhardtii</i> , <i>Dunaliella bardawil</i> , <i>Dunaliella salina</i> , <i>Medicago sativa</i> , <i>Morus spp.</i> , <i>Oryza sativa</i> , <i>Salicornia sp.</i> , <i>Solanum tuberosum</i> , <i>winter triticale</i> , <i>Zea mays</i> (predicted: <i>Algae</i> , <i>Dunaliella salina</i> , <i>Glycine max</i> , <i>Helianthus annuus</i> , <i>Nannochloropsis gaditana</i> , <i>Solanum lycopersicum</i> , <i>Physcomitrella patens</i> , <i>Pinus pinaster</i> , <i>Populus balsamifera</i> , <i>Volvox carteri</i>)
AS12 1857	FLS2 Flagellin-sensitive 2	Rabbit	50 µg	Western blot (WB)	<i>Arabidopsis thaliana</i> (predicted: <i>Capsella rubella</i> , <i>Glycine max</i> , <i>Hordeum vulgare</i> , <i>Populus trichocarpa</i> , <i>Solanum lycopersicum</i> , <i>Vitis vinifera</i>)
AS11 1631	GAI DELLA protein GAI	Rabbit	50 µg	Western blot (WB)	<i>Arabidopsis thaliana</i>
AS06 186	Gamma-ECS Gamma glutamylcysteine synthase	Rabbit	100 µl	Immunolocalization (IL), Western blot (WB)	<i>Arabidopsis thaliana</i> , <i>Nicotiana tabacum</i> , <i>Salicornia sp.</i> , <i>Solanum lycopersicum</i> , <i>Zea mays</i> (predicted: <i>Pisum sativum</i> , <i>Ricinus communis</i> , <i>Oryza sativa</i> , <i>Triticum aestivum</i>)
AS11 1811	Gamma-glutamyl-cysteine	Rabbit	2x100 µg	Immunocytochemistry (ICC), Immunogold (IG)	<i>Arabidopsis thaliana</i> , <i>Cucurbita pepo</i> L. subsp. <i>pepo</i> var. <i>styriaca</i> Greb, <i>Nicotiana tabacum</i> cv. <i>samsun</i>

Product number	Product name	Host	Format	Tested Applications	Reactivity
AS10 723	GDP-L-Galactose Phosphorylase	Rabbit	200 µl	Western blot (WB)	<i>Arabidopsis thaliana</i> , <i>Brassica oleracea</i> var. <i>italica</i> , <i>Brassica rapa</i> var. <i>komatsuna</i> , <i>Citrus limon</i> , <i>Nicotiana tabacum</i> , <i>Spinacia oleracea</i> , <i>Zea mays</i> , <i>Chlamydomonas reinhardtii</i> (predicted: <i>Sorghum bicolor</i> , <i>Oryza sativa</i> , <i>Physcomitrella patens</i>)
AS19 4347	GH Gamma-glutamyl hydrolase	Rabbit	50 ug	ELISA (ELISA), Western blot (WB)	<i>Glycine max</i> (predicted: <i>Glycine soja</i> (Gamma-glutamyl hydrolase isoform A and B))
AS06 182	GLDH Galactono-1,4 lactone dehydrogenase	Rabbit	100 µl	Western blot (WB)	<i>Avena sativa</i> , <i>Glycine max</i> , <i>Hordeum vulgare</i> , <i>Helianthus annuus</i> , <i>Oryza sativa</i> , <i>Zea mays</i> (predicted: <i>Arabidopsis thaliana</i> , <i>Zostera marina</i>)
AS08 295	GLN1 GLN2 GS1 GS2 glutamine synthetase global antibody	Rabbit	50 µl	Western blot (WB)	<i>Arabidopsis thaliana</i> , <i>Eragrostis tef</i> , <i>Gracilaria gracilis</i> (red algae), <i>Gracilaria lemaneiformis</i> , <i>Medicago truncatula</i> , <i>Physcomitrella patens</i> , <i>Pinus strobus</i> , <i>Spinacia oleracea</i> , <i>Solanum lycopersicum</i> , <i>Triticum aestivum</i> , <i>Zea mays</i> (predicted: <i>Brachypodium distachyon</i> , <i>Brassica napus</i> , <i>Camellia sinensis</i> , <i>Citrus clementina</i> , <i>Cucumis melo</i> , <i>Daphnia magna</i> , <i>Datisca glomerata</i> , <i>Emiliania huxleyi</i> , <i>Eucalyptus grandis</i> , <i>Gazania splendens</i> , <i>Genlisea aurea</i> , <i>Glycine max</i> , <i>Helianthus annuus</i> , <i>Hordeum vulgare</i> , <i>Oryza sativa</i> , <i>Panax quinquefolius</i> , <i>Phaseolus angularis</i> , <i>Phytophthora cinnamomi</i> , <i>Populus trichocarpa</i> , <i>Saccharum officinarum</i> , <i>Securigera parviflora</i> , <i>Solanum lycopersicum</i> , <i>Solanum tuberosum</i> , <i>Stevia rebaudiana</i> , <i>Theobroma cacao</i> , <i>Zea mays</i> , <i>Vitis labrusca</i> GLN1 dicots including: <i>Brassica napus</i> , <i>Phaseolus vulgaris</i> , monocots including: <i>Hordeum vulgare</i> , <i>Oryza sativa</i> , trees: <i>Pinus sylvestris</i> , <i>Populus sp.</i> , <i>Zostera marina</i> GLN2 dicots including: <i>Brassica napus</i> , <i>Glycine max</i> , <i>Phaseolus vulgaris</i> , monocots including: <i>Triticum aestivum</i> , <i>Oryza sativa</i> GLN3: <i>Zea mays</i> ,GLN1 in algae: <i>Chlamydomonas reinhardtii</i>)

Product number	Product name	Host	Format	Tested Applications	Reactivity
AS08 296	GLN2 GS2, chloroplastic form of glutamine synthetase	Rabbit	400 µl	Western blot (WB)	<i>Arabidopsis thaliana, Oryza sativa, Pisum sativum, Spinacia oleracea (predicted: Brassica napus, Glycine max, Hordeum vulgare, Medicago truncatula, Pinus sylvestris, Phaseolus vulgaris, Physcomitrella patens, Populus sp., Triticum, aestivum, Zea mays)</i>
AS14 2795	GORK Potassium channel GORK	Rabbit	50 µg	Western blot (WB)	<i>Arabidopsis thaliana</i>
AS14 2772	GOX Glycolate oxidase 1,2,3	Rabbit	50 µg	Western blot (WB)	<i>Arabidopsis thaliana, Lupinus albus, Oryza sativa (predicted: Glycine max, Hordeum vulgare, Medicago truncatula, Nicotiana tabacum, Phaseolus vulgaris, Solanum lycopersicum, Solanum tuberosum, Spinacia oleracea, Triticum sp. Zea mays, Vitis vinifera)</i>
AS04 055	GPX Glutathione peroxidase (chloroplastic)	Rabbit	100 µl	ELISA (ELISA), Western blot (WB)	<i>Arabidopsis thaliana</i>
AS06 181	GR Glutathione reductase	Rabbit	100 µl	Immunolocalization (IL), Immunoprecipitation (IP), Western blot (WB)	<i>Arabidopsis thaliana, Catharanthus roseus, Glycine max, Hordeum vulgare, Nicotiana tabacum, Oryza sativa, Pisum sativum, Salicornia sp., Silene vulgaris, Scenedesmus quadricauda (algae), Solanum tuberosum, Zea mays (predicted: Brassica rapa, Oryza sativa, Populus balsamifera)</i>
AS15 3108	Grx5 Monothiol glutaredoxin-S5	Rabbit	50 µl	Western blot (WB)	<i>Arabidopsis thaliana (predicted: Glycne soja, Medicago truncatula, Morus notabilis, Theobroma cacao)</i>

Product number	Product name	Host	Format	Tested Applications	Reactivity
AS06 183	GS Glutathione synthase, GSH-S	Rabbit	100 µl	Immunolocalization (IL), Western blot (WB)	<i>Brassica campestris, Nicotiana tabacum, Phaeodactylum tricornutum, Solanum lycopersicum, Zea mays (predicted: Aegilops tauschii, Arabidopsis thaliana, Arundo donax, Asparagus officinalis, Brachypodium distachyon, Capsicum annuum, Cicer arietinum, Citrus clementina, Corchorus olitorius, Cucumis sativus, Daucus carota subsp. sativus, Dimocarpus longan, Eucalyptus grandis, Gossypium hirsutum, Helianthus annuus, Hevea brasiliensis, Hordeum vulgare, Jatropha curcas, Lotus japonicus, Lupinus angustifolius, Lycium chinense, Musa acuminata, Nelumbo nucifera, Nicotiana tabacum, Nicotiana sylvestris, Oryza sativa, Pisum sativum, Setaria italica, Sorghum bicolor, Spinacia oleracea, Triticum aestivum, Zostera marina, Vitis vinifera)</i>
AS09 647	GSNOR S-nitrosogluthathione reductase	Rabbit	50 µl	Western blot (WB)	<i>Arabidopsis thaliana, Brassica napus, Helianthus annuus (predicted: Brassica napus, Oryza sativa, Pisum sativum, Populus balsamifera, Ricinus communis, Solanum tuberosum, Zea mays)</i>

Product number	Product name	Host	Format	Tested Applications	Reactivity
AS13 2671	H+ATPase Plasma membrane H+ATPase (chicken antibody)	Chicken	50 µg	Western blot (WB)	<i>Arabidopsis thaliana, Spinacia oleracea, Zea mays</i> (predicted: <i>Angomonas deanei, Avena sativa, Brassica napus, Citrus limon, Coffea canephora, Cucumis sativus, Cucurbita moschata, Dunaliella spp, Eichhornia crassipes, Emiliana huxleyi, Glycine max (weak), Hordeum vulgare, Lactobacillus johnsonii, Laishmania braziliensis, Nicotiana tabacum, Oryza sativa, Solanum lycopersicon, Solanum tuberosum, Medicago truncatula, Mesembrianthemum crystallinum), Nannochloropsis gaditana CCMP526, Nepenthes alata, Nicotiana tabaccum, Nitrospira bacterium, Oryza sativa, Ostreococcus spp., Phaseolus acutifolius, Physocomitrella patens, Picea abies, Pinus thunbergii, Populus tremula, Pteris vittata, Ricinus communis, Saccharomyces cerevisiae, Solanum lycopersicum, Strigomonas culicis, Toxoplasma gondii, Triticum urartu, Trypanosoma cruzi, Zosteria marina, Vicia faba, Vigna angularis</i>)

Product number	Product name	Host	Format	Tested Applications	Reactivity
AS07 260	H+ATPase Plasma membrane H+ATPase (rabbit antibody)	Rabbit	50 µl	Immunofluorescence (IF), Immunolocalization (IL), Western blot (WB)	<i>Aesculus hippocastanum, Arabidopsis thaliana, Camellia sinensis cv. Shu-chazao, Chara australis R.Br, Chlamydomonas reinhardtii, Cucumis sativus, Cucurbita moschata, Glycine max (weak), Kandelia obovata, Hordeum vulgare, Lolium perenne, Lycopersicon esculentum, Malus x domestica Borkh. c.v. Fuji, Marchantia polymorpha, Medicago truncatula, Nicotiana benthamiana, Nicotiana tabacum, Noccaea caerulescens, Oryza sativa, Petunia hybrida, Phalenopsis Sogo Yukidian cultivar V3, Physcomitrella patens, Picea abies, Populus tremula, Pteris vittata (fern), Ricinus communis, Spinacia oleracea, Zea mays, Vicia faba (predicted: Algae, Avena sativa, Dunaliella spp., Gossypium hirsutum, Hordeum vulgare, Ostreococcus spp., Pinus thunbergii, Physcomitrella patens, Mesembrianthemum crystallinum, Mortierella elongata, Nannochloropsis gaditana CCMP526, Ostreococcus tauri, Saccharomyces cerevisiae, Solanum tuberosum, Triticum aestivum, Ulva prolifera, Ustilago maydis)</i>
AS10 1622	Hellethionin	Rabbit	50 µl	ELISA (ELISA), Western blot (WB)	<i>Heliophora purpurascens</i>
AS16 3951	HRP Horseradish peroxidase	Rabbit	50 µl	ELISA (ELISA), Western blot (WB)	<i>Armoracia rusticana, Arabidopsis thaliana, Caenorhabditis elegans (predicted:)</i>
AS09 549	HRP Horseradish peroxidase (affinity purified)	Rabbit	1 mg	ELISA (ELISA), Western blot (WB), Immunofluorescence (IF), Immunohistochemistry (IHC)	<i>Armoracia rusticana (predicted: Armoracia rusticana)</i>

Product number	Product name	Host	Format	Tested Applications	Reactivity
AS07 233	HSC70/HSP70 Heat shock cognate protein 70 / heat shock protein 70	Rabbit	100 µl	ELISA (ELISA), Immunoprecipitation (IP), Western blot (WB)	<i>Cucurbita pepo, Pisum sativum, Triticum sp. (predicted: Dicots, Monocots)</i>
AS06 178	HSF1 Heat shock factor 1	Rabbit	100 µl	Western blot (WB)	<i>Chlamydomonas reinhardtii (predicted: Chlamydomonas reinhardtii)</i>
AS08 287	HSP101 ClpB heat shock protein, C-terminal	Rabbit	50 µl	Western blot (WB)	<i>Arabidopsis thaliana, Agave tequilana, Citrus sp., Cucumis sativus L. var Krak (predicted: Citrus sinensis, Glycine max, Nicotiana tabacum, Oryza sativa, Populus trichocarpa, Triticum aestivum, Vitis vinifera)</i>
AS08 283	HSP101 ClpB heat shock protein, N-terminal (chicken antibody)	Chicken	200 µl	Western blot (WB)	<i>Arabidopsis thaliana (predicted: Glycine max, Nicotiana tabacum, Vitis vinifera)</i>
AS07 253	HSP101 ClpB heat shock protein, N-terminal (rabbit antibody)	Rabbit	50 µl	Western blot (WB)	<i>Arabidopsis thaliana, Agave tequilana, Solanum lycopersicum, Thellungiella salsuginea, Triticum aestivum, Vicia faba (predicted: dicots including: Glycine max, Vitis vinifera, monocots including: Oryza sativa)</i>
AS08 290	HSP101 nuclear/cytoplasmatic heat shock protein	Rabbit	200 µl	Western blot (WB)	<i>Agostis stolonifera cv. #8216;Pennncross#8217;, Zea mays</i>
AS08 286	HSP16.6 Class I heat shock protein 16.6 (cytosolic)	Rabbit	100 µl	Western blot (WB)	<i>Synechocystis sp. PCC 683 (predicted: Synechococcus sp., Thermosynechococcus sp.)</i>
AS12 2570	HSP16.9 16.9 kDa class I heat shock protein 2	Rabbit	100 µl	Western blot (WB)	<i>Triticum aestivum (predicted: Aegilops kotschy, Hordeum vulgare, Triticum sp.)</i>
AS08 284	HSP17.6 Cytosolic class I heat shock protein 17.6 (chicken antibody)	Chicken	200 µl	Western blot (WB)	<i>Arabidopsis thaliana</i>

Product number	Product name	Host	Format	Tested Applications	Reactivity
AS07 254	HSP17.6 Cytosolic class I heat shock protein 17.6 (rabbit antibody)	Rabbit	50 µl	Western blot (WB)	<i>Arabidopsis thaliana</i> , <i>Agave tequilana</i> var. <i>Weber</i> , <i>Citrus</i> sp., <i>Cucumis sativus</i> , <i>Iris pumilla</i> (perennial monocot), <i>Pinellia ternata</i> , <i>Pinus sylvestris</i> , <i>Silene vulgaris</i> , <i>Solanum tuberosum</i> , <i>Vicia faba</i> (predicted: Higher plants, <i>Nicotiana tabacum</i>)
AS07 255	HSP17.7 Cytosolic class II heat shock protein 17.7	Rabbit	50 µl	Western blot (WB)	<i>Arabidopsis thaliana</i> , <i>Agave tequiliana</i> var. <i>Weber</i> , <i>Cucumis sativus</i> , <i>Medicago sativa</i> , <i>Pinellia ternata</i> , <i>Silene vulgaris</i> (predicted: Dicots)
AS11 1628	HSP18.5 class IV heat shock protein	Rabbit	200 µl	Western blot (WB)	<i>Arabidopsis thaliana</i> , <i>Hordeum vulgare</i> (predicted: <i>Glycine max</i> , <i>Medicago truncatula</i> , <i>Medicago sativa</i> , <i>Pisum sativum</i> , <i>Ricinus communis</i> , <i>Rosa chinensis</i> , <i>Zea mays</i>)
AS08 285	HSP21 Chloroplastic heat shock protein	Rabbit	50 µl	Western blot (WB)	<i>Agostis stolonifera</i> cv. <i>Penncross</i> , <i>Arabidopsis thaliana</i> , <i>Nicotiana tabacum</i>
AS15 2979	HSP23.5 Heat shock protein 23.5 (mitochondrial)	Rabbit	50 µg	Western blot (WB)	<i>Arabidopsis thaliana</i> recombinant HSP23.5 (predicted: <i>Arabidopsis thaliana</i>)
AS15 2980	HSP23.6 Heat shock protein 23.6 (mitochondrial)	Rabbit	50 µg	Western blot (WB)	<i>Arabidopsis thaliana</i> (predicted: <i>Arabidopsis thaliana</i>)
AS15 2981	HSP26.5 Heat shock protein 26.5 (mitochondrial)	Rabbit	50 µg	Western blot (WB)	<i>Arabidopsis thaliana</i> (predicted: <i>Glycine soja</i>)

Product number	Product name	Host	Format	Tested Applications	Reactivity
AS08 348	HSP70 Heat shock protein 70 (chloroplastic)	Rabbit	200 µl	Immunoprecipitation (IP), Western blot (WB)	<i>Arabidopsis thaliana, Hordeum spontaneum, Hordeum vulgare, Oryza sativa, Pinus strobus, Pisum sativum (predicted: Arundo donax, Brachypodium distachyon, Brassica rapa subsp. pekinensis, Brassica napus, Capsella rubella, Citrus clementina, Citrus sinensis, Coffea canephora, Glycine max, Glycine soja, Hordeum vulgare, Medicago truncatula, Oryza sativa, Phaseolus vulgaris, Physomitrella patensm, Picea sitchensis, Populus trichocarpa, Prunus persica, Ricinus communis, Solanum tuberosum, Solanum lycopersicum, Sorghum bicolor, Spinacia oleracea, Theobroma cacao, Triticum aestivum, Zea mays, Vitis vinifera)</i>

Product number	Product name	Host	Format	Tested Applications	Reactivity
AS08 371	HSP70 Heat shock protein 70 (cytoplasmic)	Rabbit	50 µl	Immunoprecipitation (IP), Western blot (WB)	<i>Arabidopsis thaliana</i> , <i>Chlamydomonas reinhardtii</i> , <i>Chlamydomonas sp. UWO241</i> , <i>Cucumis sativus</i> , <i>E. teft</i> , <i>Hordeum vulgare</i> , <i>Medicago sativa</i> , <i>Oryza sativa</i> , <i>Salicornia sp.</i> , <i>Silene vulgaris</i> , <i>Solanum lycopersicum</i> , <i>Pinus strobus</i> , <i>Polyscias elegans</i> , <i>Zea mays</i> , algae: <i>Desmodesmus subspicatus</i> , <i>Gracilaria vermiculophylla</i> , phycobiont: <i>Trebouxia TR1 and TR9</i> , <i>Plasmodium falciparum</i> , <i>Setaria italica</i> , <i>Triticum aestivum</i> , <i>Ulva prolifera</i> , <i>Vicia faba</i> (predicted: <i>Ageratina adenophora</i> , <i>Allium sativum</i> , <i>Arabis alpina</i> , <i>Arachis diogeni</i> , <i>Arundo donax</i> , <i>Brassica napus</i> , <i>brassica rapa subsp. pekinensis</i> , <i>Camellia sinensis</i> , <i>Citrus sinensis</i> , <i>Coffea arabica</i> , <i>Eriobotrya japonica</i> , <i>Gossypium arboreum</i> , <i>Glycine max</i> , <i>Glycine soja</i> , <i>Helianthus annuus</i> , <i>Hordeum vulgare var. distichum</i> , <i>Lotus japonicus</i> , <i>Medicago sativa</i> , <i>medicago truncatula</i> , <i>Musa acuminata subsp. malaccensis</i> , <i>Nannochloropsis gaditana</i> , <i>Nicotiana tabacum</i> , <i>Nicotiana bethamiana</i> , <i>Phaseolus vulgaris</i> , <i>Physcomitrella patens</i> , <i>Pinus taeda</i> , <i>Pisum sativum</i> , <i>Populus balsamifera</i> , <i>Populus trichocarpa</i> , <i>Salix gilgiana</i> , <i>Saussurea medusa</i> , <i>Solanum tuberosum</i> , <i>Solanum commersonii</i> , <i>Spinacia oleracea</i> , <i>Tragopogon dubius</i> , <i>Tragopogon porrifolius</i> , <i>Triticum aestivum</i> , <i>Vitis vinifera</i> , <i>Volvox sp.</i>)
AS08 347	HSP70 Heat shock protein 70 (mitochondrial)	Rabbit	2 x 50 µg	Western blot (WB)	<i>Arabidopsis thaliana</i> , <i>Brassica oleracea</i> , <i>Hordeum vulgare</i> (predicted: <i>Medicago truncatula</i> , <i>Oryza sativa</i> , <i>Phaseolus vulgaris</i> , <i>Pisum sativum</i> , <i>Populus trichocarpa</i> , <i>Spinacia oleracea</i> , <i>Solanum tuberosum</i> , <i>Triticum aestivum</i> , <i>Zea mays</i> , <i>Vitis vinifera</i>)
AS06 175	HSP70B Stromal alpha-HSP70 (algal)	Rabbit	100 µl	Immunoprecipitation (IP), Western blot (WB)	<i>Chlamydomonas reinhardtii</i> , <i>Desmodesmus subspicatus</i> , <i>Physcomitrella patens</i> (predicted: <i>Dunaliella salina</i> , <i>Cyanobacteria</i>)

Product number	Product name	Host	Format	Tested Applications	Reactivity
AS08 346	HSP90-1 heat shock protein 90-1	Rabbit	50 µl	Western blot (WB)	<i>Arabidopsis thaliana, Brachypodium distachyon, Hordeum vulgare, Salicornia sp., Solanum lycopersicum, Zea mays, Vicia faba (predicted: Glycne max, Micromonas pulsilla, Nicotiana benthamina, Nicotiana tabacum, Oryza sativa, Ostreococcus lucimarinus, Physcomitrella patens, Populus balsamifera, Ricinus communis, Solanum tuberosum, Sorghum bicolor, Triticum aestivum, Zea mays, Vitis vinifera)</i>
AS11 1629	HSP90-2 heat shock protein 90-2	Rabbit	100 µl	Western blot (WB)	<i>Arabidopsis thaliana (predicted: Glycne max, Hordeum vulgare, Micromonas pulsilla, Nicotiana benthamina, Nicotiana tabacum, Ostreococcus lucimarinus, Oryza sativa, Physcomitrella patens, Populus balsamifera, Ricinus communis, Solanum tuberosum, Sorghum bicolor, Triticum aestivum, Zea mays, Vitis vinifera)</i>
AS06 174	HSP90C alfa-HSP90C, heat shock protein (algal)	Rabbit	100 µl	Immunoprecipitation (IP), Western blot (WB)	<i>Chlamydomonas reinhardtii (predicted: Ostreococcus sp.)</i>
AS16 3971	ICE1 Inducer of CBF expression 1	Rabbit	50 µg	Western blot (WB)	<i>Arabidopsis thaliana (predicted: Brassica napus, Brassica rapa, Capsella bursa-pastoris, Capsella rubella, Eutrema salsugineum, Noccaea caerulea)</i>
AS16 3847	IFR isoflavone reductase	Rabbit	50 µl	Western blot (WB)	<i>Oryza sativa (predicted: Oryza sativa)</i>
AS11 1780	IRT1 Iron regulated transporter 1	Rabbit	50 µg	Western blot (WB)	<i>Arabidopsis thaliana (predicted: Noccaea caerulea, Thlaspi cerulea)</i>
AS08 374	KatG catalase peroxidase (HPI), cyanobacterial	Rabbit	200 µl	Western blot (WB)	<i>Synechocystis sp. PCC 683 (predicted: Synechococcus sp. including PCC 732 and S.elongatus (PCC 631, PCC 7942); other bacteria)</i>
AS14 2764	KrP Kelch repeat-containing protein / galactose oxidase (At3g07720)	Rabbit	50 µl	Western blot (WB)	<i>Arabidopsis thaliana</i>

Product number	Product name	Host	Format	Tested Applications	Reactivity
AS16 3845	LEA3 late embryogenesis abundant protein	Rabbit	50 µl	Western blot (WB)	<i>Oryza sativa</i> (predicted: <i>Oryza sativa</i>)
AS13 2757	LEA4-25 Group 4-late embryogenesis abundant protein	Rabbit	50 µl	Western blot (WB)	<i>Phaseolus vulgaris</i> (predicted: <i>Glycine tomentosa</i>)
AS13 2758A	LEA4-5 Late embryogenesis abundant protein 4-5 (affinity purified)	Rabbit	50 µg	Western blot (WB)	<i>Arabidopsis thaliana</i> (predicted: <i>Arachis hypogaea</i> , <i>Brassica sp.</i> , <i>Glycine max</i> , <i>Medicago truncatula</i> , <i>Phaseolus vulgaris</i> , <i>Thellungiella halophila</i>)
AS13 2758	LEA4-5 Late embryogenesis abundant protein 4-5 (serum)	Rabbit	50 µl	Western blot (WB)	<i>Arabidopsis thaliana</i> (predicted: <i>Arachis hypogaea</i> , <i>Brassica sp.</i> , <i>Glycine max</i> , <i>Medicago truncatula</i> , <i>Phaseolus vulgaris</i> , <i>Thellungiella halophila</i>)
AS13 2756	LEA6-3 late embryogenesis abundant protein 6-3	Rabbit	50 µl	Western blot (WB)	Recombinant PvLEA6-3 (predicted: <i>Arabidopsis thaliana</i> , <i>Arachis hypogaea</i> , <i>Glycine max</i> , <i>Medicago truncatula</i> , <i>Phaseolus vulgaris</i>)
AS06 128	LOX Lipoxygenase	Rabbit	50 µl	Western blot (WB)	<i>Arabidopsis thaliana</i> , <i>Glycine max</i> , <i>Lilium longiflorum</i> , <i>Lupinus luteus</i> , <i>Musa acuminata</i> , <i>Musa paradisiaca L.</i> , <i>Nicotiana benthamiana</i> , <i>Olea europaea</i> (predicted: <i>Glycine max</i> , <i>Lathyrus undulatus</i> , <i>Malus x domestica</i> , <i>Solanum tuberosum</i>)
AS06 128A	LOX Lipoxygenase (Affinity purified)	Rabbit	50 µg	Western blot (WB)	<i>Arabidopsis thaliana</i> , <i>Glycine max</i> , <i>Solanum tuberosum</i> (predicted: <i>Cucumis sativus</i> , <i>Lathyrus undulatus</i> , <i>Malus x domestica</i>)
AS08 340	LOX2 Lipoxygenase 2	Mouse	100 µg	ELISA (ELISA), Western blot (WB)	<i>Triticum aestivum</i> (predicted: <i>Hordeum vulgare</i> , <i>Oryza sativa</i>)
AS07 258	LOX-C Lipoxygenase (chloroplastic)	Rabbit	100 µl	Western blot (WB)	<i>Arabidopsis thaliana</i> , <i>Vitis vinifera</i> (predicted: <i>Brassica napus</i> , <i>Musa acuminata subsp. malaccensis</i>)
AS19 4318	MC4 Metacaspase-4	Rabbit	50 µg	Western blot (WB)	<i>Arabidopsis thaliana</i> (predicted: <i>Raphanus sativus</i> , <i>Noccaea caerulea</i>)

Product number	Product name	Host	Format	Tested Applications	Reactivity
AS15 2905	MKK2 Mitogen-activated protein kinase kinase 2	Rabbit	50 µg	Western blot (WB)	<i>Arabidopsis thaliana (protoplasts)</i>
AS09 524	MnSOD Manganese superoxide dismutase	Rabbit	50 µl	Western blot (WB)	<i>Arabidopsis thaliana, Armeria maritima, Brassica napus, Brassica oleracea, Iris pumila, Nepeta cataria, Nepeta rtanjensis, Oryza sativa, Pisum sativum, Salicornia sp. , Solanum tuberosum (predicted: Gossypium mexicanum, Hordeum vulgare, Musa acuminata, Picea sitcHensis, Populus balsamifera sub. trichocarpa, Raphanus sativus, Solanum tuberosum, Triticum aestivum, Vitis vinifera, Zea mays)</i>
AS13 2684	MT1a Metallothionein type1	Rabbit	50 µg	Immunolocalization (IL), Western blot (WB)	<i>Hordeum vulgare (predicted: Horderum vulgare)</i>
AS13 2685	MT2a Metallothionein 2a	Rabbit	50 µg	Immunolocalization (IL), Western blot (WB)	<i>Horderum vulgare (predicted: Horderum vulgare)</i>
AS09 484	Na+/H+ antiporter, sodium/hydrogen exchanger	Rabbit	50 µl	ELISA (ELISA), Western blot (WB)	<i>Arabidopsis thaliana, Kandelia obovata, Oryza sativa, Solanum lycopersicum, Vitis vinifera (predicted: Gossypium hirsutum, Populus euphratica, Ricinus communis, Zea mays)</i>
AS14 2805	NBR1 Autophagy substrate NBR1	Rabbit	50 µl	Immunolocalization (IL), Western blot (WB)	<i>Arabidopsis thaliana, Physcomitrella patens (predicted: Brassicaceae family)</i>
AS14 2805A	NBR1 Autophagy substrate NBR1 (affinity purified)	Rabbit	50 µg	Western blot (WB)	<i>Arabidopsis thaliana (predicted: Brassicaceae family)</i>
AS12 1854-1mg	NPR1 Nonexpresser of PR genes 1 (1 mg)	Rabbit	1 mg	Western blot (WB)	<i>Arabidopsis thaliana (predicted: Arabidopsis thaliana)</i>
AS12 1854	NPR1 Nonexpresser of PR genes 1	Rabbit	50 µg	Western blot (WB)	<i>Arabidopsis thaliana (predicted: Arabidopsis thaliana)</i>
AS12 1854-500	NPR1 Nonexpresser of PR genes 1 (0.5 mg)	Rabbit	0.5 mg	Western blot (WB)	<i>Arabidopsis thaliana (predicted: Arabidopsis thaliana)</i>
AS09 473	NRT1.4 Nitrate transporter	Rabbit	100 µl	ELISA (ELISA), Western blot (WB)	<i>Arabidopsis thaliana, Raphanus sativus</i>

Product number	Product name	Host	Format	Tested Applications	Reactivity
AS06 159	NtrC Thioredoxin reductase (TR/TRxR) (algal)	Rabbit	200 µg	Western blot (WB)	<i>Chlamydomonas reinhardtii</i> (predicted: <i>Chlamydia</i> sp., <i>Nannochloropsis gaditana</i> , <i>Ostreococcus luminarius</i> , <i>Physcomitrella patens</i> , <i>Synechococcus</i> sp.)
AS07 243	NtrC Thioredoxin reductase (TR/TRxR) (higher plants)	Rabbit	200 µg	Western blot (WB)	<i>Arabidopsis thaliana</i> (predicted: <i>Anthurium amnicola</i> , <i>Brachypodium distachyon</i> , <i>Brassica napus</i> , <i>Brassica oleracea</i> , <i>Capsella rubella</i> , <i>Capsicum annuum</i> , <i>Cephalotus follicularis</i> , <i>Chlamydomonas reinhardtii</i> , <i>Chlamydia</i> sp., <i>Cicer arietinum</i> , <i>Citrus sinensis</i> , <i>Cucumis melo</i> , <i>Cucumis sativus</i> , <i>Dendrobium catenatum</i> , <i>Eutrema salsugineum</i> , <i>Genlisea aurea</i> , <i>Ostreococcus luminarius</i> , <i>Synechococcus</i> sp., <i>Glycine soja</i> , <i>Glycine max</i> , <i>Gossypium raimondii</i> , <i>Hordeum vulgare</i> , <i>Juglans regia</i> , <i>Leersia perrieri</i> , <i>Manihot esculenta</i> , <i>Medicago truncatula</i> , <i>Musa acuminata</i> subsp. <i>malaccensis</i> , <i>Nelumbo nucifera</i> , <i>Noccaea caerulescens</i> , <i>Oryza barthii</i> , <i>Phoenix dactylifera</i> , <i>Populus trichocarpa</i> , <i>Ricinus communis</i> , <i>Solanum lycopersicum</i> , <i>Sorghum bicolor</i> , <i>Theobroma cacao</i> , <i>Triticum aestivum</i> , <i>Zea mays</i> , <i>Vigna angularis</i> var. <i>angularis</i> , <i>Vitis vinifera</i>)
AS19 4336	Osmotin	Rabbit	50ug	ELISA (ELISA), Western blot (WB)	<i>Nicotiana tabacum</i> (predicted: <i>Capsicum annuum</i> , <i>Solanum lycopersicum</i>)
AS19 4294	Oxidative Stress Antibodies Set 5 antibodies		1 kit		
AS12 1842	Patatin	Rabbit	200 µl	Immunoprecipitation (IP), Immunolocalization (IL), Western blot (WB)	<i>Solanum tuberosum</i> (predicted: <i>Solanum tuberosum</i>)
AS12 1842A	Patatin (affinity purified)	Rabbit	50 µg	Immunoprecipitation (IP), Immunolocalization (IL), Western blot (WB)	<i>Solanum tuberosum</i> (predicted: <i>Solanum tuberosum</i>)
AS12 1842P	Patatin Blocking peptide		500 µg (10 mg/ml)		Neutralization assay (NeA)

Product number	Product name	Host	Format	Tested Applications	Reactivity
AS20 4413	PBP1 PYK10-binding protein 1 (C-terminal)	Rabbit	200 µg	Immunofluorescence (IF), Western blot (WB)	<i>Arabidopsis thaliana</i>
AS20 4414	PBP1 PYK10-binding protein 1 (N-terminal)	Rabbit	200 µg	Immunofluorescence (IF), Western blot (WB)	<i>Arabidopsis thaliana</i> (predicted: <i>Brassica rapa</i> , <i>Raphanus sativus</i>)
AS10 691	PDC2 Pyruvate decarboxylase 2	Rabbit	100 µl	Western blot (WB)	<i>Arabidopsis thaliana</i> , <i>Oryza sativa</i> , <i>Zymomonas mobilis</i> (predicted: <i>Aegilops tauschii</i> , <i>Brassica napus</i> , <i>Chlamydomonas reinhardtii</i> , <i>Cocos nucifera</i> , <i>Dichanthelium oligosanthes</i> , <i>Fragaria ananassa</i> , <i>Hordeum vulgare</i> , <i>Glycine max</i> , <i>Nannochloropsis gaditana</i> , <i>Nicotiana tabacum</i> , <i>Panicum miliaceum</i> , <i>Phoenix dactylifera</i> , <i>Pisum sativum</i> , <i>Potamogeton distinctus</i> , <i>Saccharum officinarum</i> , <i>Solanum tuberosum</i> , <i>Sorghum bicolor</i> , <i>Ricinus communis</i> , <i>Rosa chinensis</i> , <i>Trifolium pratense</i> , <i>Zea mays</i> , <i>Vitis vinifera</i>)
AS09 471	PDR8 ABC transporter G family member 36	Rabbit	100 µl	ELISA (ELISA), Western blot (WB)	<i>Arabidopsis thaliana</i> (predicted: <i>Arabidopsis thaliana</i>)
AS06 116	PGL35 Plastoglobulin 35; FIB1a; FBN1a	Rabbit	200 µl	Immunocytochemistry (ICC), Western blot (WB)	<i>Arabidopsis thaliana</i> , <i>Citrus reticulata</i> , <i>Gossypium hirsutum</i> cv. <i>Deltapine 9</i> (predicted: <i>Brassica napus</i> , <i>Brassica campestris</i> , <i>Capsicum annum</i>)
AS09 506	PIP2;3 Aquaporin, plasma membrane intrinsic protein 2-3	Rabbit	100 µl	ELISA (ELISA), Immunogold (IG), Western blot (WB)	<i>Oryza sativa</i> , <i>Zea mays</i>
AS09 469	PIP2;7 Plasma membrane aquaporin, N-terminal	Rabbit	100 µl	ELISA (ELISA), Western blot (WB)	<i>Arabidopsis thaliana</i> , <i>Jatropha curcas</i> L. cv. <i>Biji Jarak</i> (predicted: <i>Brassica oleracea</i> , <i>Juglans regia</i> , <i>Populus tremulax</i> , <i>Populus tremuloides</i> , <i>Spinacia oleracea</i> , <i>Vitis vinifera</i>)

Product number	Product name	Host	Format	Tested Applications	Reactivity
AS12 2110	PIP2-1-7 Plasma membrane aquaporin isoforms 1-7, C-terminal	Rabbit	50 µl	Immunoprecipitation (IP), Western blot (WB)	<i>Lactuca sativa, Pisum sativum, Solanum lycopersicum, Zea mays (predicted: Arabidopsis thaliana, Artemisia annua, Brassica oleracea, Capsicum annuum, Capsicum chinense, Cicer arietinum, Coffea arabica, Cucumis melo, Cucumis sativus, Fragaria chiloensis, Glycine max, Helianthus annuus, Hordeum vulgare, Malus prunifolia, Medicago trunculata, Mimosa pudica, Nicotiana tabacum, Noccaea caerulescens, Olea europaea, Oryza sativa, Phaseolus vulgaris, Pisum sativum, Prunus mume, Pyrus communis, Spinacia oleracea, Solanum lycopersicum, Solanum tuberosum, Trifolium repens, Triticum urartu, Triticum aestivum, Vitis vinifera)</i>
SA000001	Plant Cell Compartment Antibody Marker Set 3 antibodies		1 kit		
AS13 2747	PP2A Serine/threonine protein phosphatase 2A 59 kDa regulatory subunit B' gamma isoform	Rabbit	50 µg	Immunolocalization (IL), Western blot (WB)	<i>Arabidopsis thaliana, Oryza sativa (predicted: Brassica oleracea, Pisum sativum)</i>
AS10 1585	PPO Polyphenol oxidase	Rabbit	100 µl	Western blot (WB)	<i>Spinacia oleracea (predicted: Spinacia oleracea)</i>
AS10 687	PR-1 Pathogenesis-related protein 1	Rabbit	50 µl	Western blot (WB)	<i>Arabidopsis thaliana, Hordeum vulgare, Nicotiana bentamiana, Spinacia oleracea, Solanum lycopersicum, Triticum aestivum, Vitis vinifera, Zea mays</i>
AS10 687S	PR-1 Positive control/quantitation standard		100 µl	Western blot (WB)	

Product number	Product name	Host	Format	Tested Applications	Reactivity
AS07 208	PR-2 GLU I Class I beta-1,3-glucanase	Rabbit	2 mg	Immunolocalization (IL), Western blot (WB)	<i>Fragaria vesca, Lactuca sativa, Nicotiana benthamian, Nicotiana clevelandii, Nicotiana glutinosa, Nicotiana tabacum, Phalenopsis Sogo Yukidian cultivar V3, Populus sp., Solanum lycopersicum, Solanum tuberosum, Vitis vinifera (predicted: Dicots, Oryza sativa, Prunus persica)</i>
AS12 2366	PR-2 Pathogenesis-related protein 2	Rabbit	50 µl	Western blot (WB)	<i>Agostis stolonifera cv. Pennncross, Arabidopsis thaliana, Glycine max (roots) (predicted: Brassica juncea, Brassica oleracea, Citrus chinensis, Glycine max, Litchi chinensis, Manihot esculenta, Nicotiana tabacum)</i>
AS07 207	PR-3 / CHN Class I chitinase	Rabbit	2 mg	Co-Immunoprecipitation (IP) (Co-IP), Immunolocalization (IL), Western blot (WB)	<i>Agostis stolonifera cv. Pennncross, Capsicum annum, Nicotiana tabacum, Picea abies, Solanum esculentum, Solanum lycopersicum, Solanum tuberosum, Vitis vinifera (predicted: Arabidopsis thaliana, Zea mays)</i>
AS12 2369	PR-4 Pathogenesis-related protein 4 (Arabidopsis thaliana)	Rabbit	50 µl	Western blot (WB)	<i>Arabidopsis thaliana (predicted: Capsicum chinense , Carica papaya, Chimonanthus praecox, Drosera adela, Eutrema japonicum, Ficus pumila var. awkeotsang , Hevea brasiliensis, Hordeum vulgare, Glycine max, Medicago truncatula, Morus notabilis, Phaseolus vulgaris, Pisum sativum, Populus trichocarpa, Prunus dulcis, Ricinus communis, Solanum tuberosum, Theobroma cacao, Triticum aestivum, Triticum urartu , Vitis pseudoreticulata)</i>
AS12 2373	PR-5 Pathogenesis-related protein 5 (A.thaliana)	Rabbit	50 µl	Western blot (WB)	<i>Arabidopsis thaliana (predicted: Arabidopsis thaliana)</i>
AS14 2794	PRN2 Pirin-like protein	Rabbit	50 µg	Western blot (WB)	<i>Arabidopsis thaliana</i>
AS05 093	PrxQ Peroxiredoxin, thioredoxin reductase	Rabbit	200 µl	Western blot (WB)	<i>Arabidopsis thaliana, Manihot esculenta, Spinacia oleracea, Zea mays (predicted: Populus sp. , Triticum aestivum, Oryza sativa)</i>
AS01 016S	PsbA D1 protein of PSII positive control/quantitation standard		100 µl	Western blot (WB)	

Product number	Product name	Host	Format	Tested Applications	Reactivity
AS05 084A	PsbA D1 protein of PSII, C-terminal (affinity purified)	Rabbit	50 µg	Western blot (WB)	<i>Anabaena 712, Arabidopsis thaliana, Artemisia annua, Arundo sp., Chlamydomonas reinhardtii, Colobanthus quitensis Kunt Bartl, Craterostigma sp., Coscinodiscus wailesii, Cynara cardunculus var altilis, Ditylum brightwellii, Glycine max, Hordeum vulgare, Lindernia sp., Miscanthus x giganteus, Marchantia polymorpha (liverwort), Nicotiana benthamiana, Panicum miliaceum, Panax ginseng, Panicum maximum, Paulinella chromatophora (amoeba), Pinus strobus, Physcomitrella patens, Prochlorococcus sp. (surface and deep water ecotype), Synechococcus sp. PCC 7942, Spirodela polyrhiza, Symbiodinium sp., Zea mays (predicted: Algae (brown and red), Brassica napus, Conifers, Cyanobacteria, Dictos, Manihot esculenta, Medicago sativa, Nannochloropsis sp., Pisum sativum, Triticum aestivum, cellular [compartment marker] of thylakoid membrane.)</i>
AS01 016	PsbA D1 protein of PSII, C-terminal (chicken)	Chicken	100 µl	Western blot (WB)	<i>Alaria esculenta, Amphidinium carterae, Anabaena sp., Arabidopsis thaliana, Brachypodium sylvaticum, Chlamydomonas reinhardtii, Chlamydomonas raudensis (both Antarctic and mesophilic strains), Cyanophora sp., Cyanothece sp. ATCC 51142, Cynara cardunculus, Gonyaulax polyedra, Fucus vesiculosus, Hordeum vulgare, Lobaria pulmonaria, Petunia sp., Pinus sylvestris, Spartina alterniflora, Synechococcus sp. PCC 7942, Triticum aestivum, Ulva sp., symbiotic dinoflagellates of Stylophora pistillata and Turbinaria reniformis, Zea mays (predicted: Algae (brown and red), Conifers, Cryptomonads, Legumes, Stramenopiles, Euglenoids, Prochlorophytes, Xantophytes)</i>

Product number	Product name	Host	Format	Tested Applications	Reactivity
AS05 084	PsbA D1 protein of PSII, C-terminal (rabbit antibody) (thylakoid membrane marker)	Rabbit	50 µl	Immunofluorescence (IF), ImmunoGold (IG), Western blot (WB)	<i>Anabaena 712, Arabidopsis thaliana, Artemisia annua, Arundo sp., Begonia sp., Cannabis sativa L., Chlamydomonas reinhardtii, Chlorella ohadii, Chromera velia, Chlorella vulgaris, Colobanthus quitensis Kunt Bartl, Coscinodiscus wailesii, Craterostigma sp., Cyanidioschyzon merolae, Cytisus cantabricus (Wilk.) Rchb. F, Desmodemus sp., Dianthus caryophyllus, Ditylum brightwellii, Eucalyptus globulus, Glycine max, Halomicronema hongdechloris, Hieracium pilosella L., Hordeum vulgare, Lasallia hispanica, Lindernia sp., Manihot esculenta, Marchantia polymorpha (liverwort), Medicago truncatula, Miscanthus x giganteus, Microcystis aeruginosa, Nicotiana benthamiana, Nicotiana tabacum, Panicum miliaceum, Panax ginseng, Panicum maximum, Paulinella chromatophora (amoeba), Pheodactylum tricorutum CCAP 155/1, Physcomitrella patens, Picea glauca, Pinus strobus, Pisum sativum, Prochlorococcus sp. (surface and deep water ecotype), Pisum sativum, Skeletonema costatum (diatom), Solanum lycopersicum, Spartina alterniflora, Spinacia oleracea, Spirodela polyrhiza, Symbiodinium sp, Synechococcus sp. PCC 7942, Synechococcus elongatus UTEX 2973, Syntrophia muralis, Thalassiosira weissflogii, Triticum aestivum, Triticale, Zea mays, Quercus ilex (predicted: Algae (brown and red), Brassica napus, Conifers, Cyanobacteria, Dictos, Cannabis sativa, Lactuca sativa, Lycopersicum esculentum, Medicago sativa, Nannochloropsis sp., Oryza sativa, Ostreococcus sp., Pisum sativum, Sesamum indicum, Zosteria marina, Vitis vinifera cellular [compartment marker] of thylakoid membraneSpecies of your interest not listed? Contact us)</i>

Product number	Product name	Host	Format	Tested Applications	Reactivity
AS05 084A-ALP	PsbA D1 protein of PSII, C-terminal, ALP-conjugated (40 µg)	Rabbit	40 µg	Western blot (WB)	<i>Anabaena 712, Arabidopsis thaliana, Artemisia annua, Arundo sp., Chlamydomonas reinhardtii, Colobanthus quitensis Kunt Bartl, Craterostigma sp., Coscinodiscus wailesii, Ditylum brightwellii, Glycine max, Hordeum vulgare, Lindernia sp., Miscanthus x giganteus, Marchantia polymorpha (liverwort), Nicotiana benthamiana, Panicum miliaceum, Panax ginseng, Panicum maximum, Paulinella chromatophora (amoeba), Physcomitrella patens, Pinus strobus, rochlorococcus sp. (surface and deep water ecotype), Synechococcus sp. PCC 7942, Spirodela polyrhiza, Symbiodinium sp., Zea mays (predicted: Algae (brown and red), Dictos, Conifers, Cyanobacteria, Medicago sativa, Nannochloropsis sp., Pisum sativum, Triticum aestivum, cellular [compartment marker] of thylakoid membrane)</i>
AS05 084A-HRP	PsbA D1 protein of PSII, C-terminal, HRP-conjugated (40 µg)	Rabbit	40 µg	Western blot (WB)	<i>Anabaena 712, Arabidopsis thaliana, Artemisia annua, Arundo sp., Chlamydomonas reinhardtii, Colobanthus quitensis Kunt Bartl, Coscinodiscus wailesii, Craterostigma sp., Ditylum brightwellii, Glycine max, Hordeum vulgare, Lindernia sp., Miscanthus x giganteus, Marchantia polymorpha (liverwort), Nicotiana benthamiana, Panicum miliaceum, Panax ginseng, Panicum maximum, Pinus strobus, Physcomitrella patens, Synechococcus sp. PCC 7942, Paulinella chromatophora (amoeba), Prochlorococcus sp. (surface and deep water ecotype), Spirodela polyrhiza, Symbiodinium sp., Zea mays (predicted: Algae (brown and red), Dictos, Conifers, Cyanobacteria, Medicago sativa, Nannochloropsis sp., Pisum sativum, Triticum aestivum, cellular [compartment marker] of thylakoid membrane.)</i>

Product number	Product name	Host	Format	Tested Applications	Reactivity
AS05 084PRE	PsbA D1 protein of PSII, C-terminal, pre-immune serum	Rabbit	100 µl		
AS13 2669	PsbA D1 protein of PSII, phosphorylated	Rabbit	50 µg	Western blot (WB)	<i>Arabidopsis thaliana, Chlamydomonas reinhardtii, Hordeum vulgare, Zea mays (predicted: Dictos, Conifers, Monocts)</i>
AS20 4410	PYK10 Beta-Galactosidase (C-terminal)	Rabbit	100 µg	Immunohistochemistry (IHC), Western blot (WB)	<i>Arabidopsis thaliana</i>
AS20 4409	PYK10 Beta-Galactosidase (internal) (ER marker, immunolocalisation)	Rabbit	100 µg	Immunofluorescence (IF), Immunohistochemistry (IHC), Immunoprecipitation (IP), Western blot (WB)	<i>Arabidopsis thaliana</i>
AS15 2962	RBOHD Respiratory burst oxidase homolog protein D	Rabbit	50 µg	Immunofluorescence (IF), Western blot (WB)	<i>Arabidopsis thaliana, Solanum sp. (predicted: Brassica napus, Citrus sinensis, Citrullus colocynthis, Fragaria ananassa, Gossypium arboreum, Manihot esculenta, Morus notabilis, Nicotiana tabacum, Oryza sativa, Picea abies, Ricinus communis, Solanum tuberosum, Theobroma cacao, Zea mays, Zostera marina)</i>
AS11 1630	RGA DELLA protein RGA	Rabbit	50 µg	Western blot (WB)	<i>Arabidopsis thaliana (predicted: Arabidopsis thaliana)</i>
AS11 1803	RGL2 RGA-like protein 2 (DELLA protein)	Rabbit	50 µg	Immunolocalization (IL), Western blot (WB)	<i>Arabidopsis thaliana</i>
AS19 4266	RPN10 26S proteasome regulatory subunit RPN10	Rabbit	50 µl	Western blot (WB)	<i>Arabidopsis thaliana (predicted: Gossypium hirsutum, Noccaea caerulea, Theobroma cacao)</i>
AS16 3992	RPS4 Disease resistance protein RPS4	Rabbit	50 µg	Western blot (WB)	<i>Arabidopsis thaliana (recombinant RPS4) (predicted: Arabidopsis thaliana)</i>
AS17 4143	RTA Ricin toxic A chain	Rabbit	50 µl	ELISA (ELISA)	<i>Ricinus communis</i>
AS17 4144	RTB Ricin toxic B chain	Rabbit	50 µl	ELISA (ELISA)	<i>Ricinus communis</i>

Product number	Product name	Host	Format	Tested Applications	Reactivity
AS13 2664	S6K1-2 Ribosomal-protein S6 kinase homolog 1,2 - phosphorylated	Rabbit	50 µg	Western blot (WB)	<i>Arabidopsis thaliana</i> (predicted: <i>Thelungiella halophila</i>)
AS07 256	SAL1 Sal1 phosphatase	Rabbit	100 µl	Western blot (WB)	<i>Arabidopsis thaliana</i> , <i>Glycine max</i> , <i>Lycopersicon esculentum</i> , <i>Nicotiana tabaccum</i> , <i>Populus tremula</i> (predicted: <i>Gossypium hirsutum</i> , <i>Oryza sativa</i>)
AS16 3148	SAM1-4 S-adenosylmethionine synthase	Rabbit	50 µl	Western blot (WB)	<i>Arabidopsis thaliana</i> , <i>Malus domestica</i> (predicted: <i>Beta vulgaris</i> , <i>Brassica sp.</i> , <i>Citrus sp.</i> , <i>Coffea canephora</i> , <i>Caomelina sativa</i> , <i>Capsella rubella</i> , <i>Cucumis melo</i> , <i>Cucumis sativus</i> , <i>Genlisea aurea</i> , <i>Gentiana triflora</i> , <i>Guzmania wittmacki</i> , <i>Gossypium raimondii</i> , <i>Eucalyptus grandis</i> , <i>Eutrema salsugineum</i> , <i>Ipomoea batatas</i> , <i>Jatropha curcas</i> , <i>Musa acuminata</i> , <i>Nicotiana sp.</i> , <i>Oryza brachyantha</i> , <i>Phoenix dactylifera</i> , <i>Populus sp.</i> , <i>Prunus sp.</i> , <i>Ricinus communis</i> , <i>Sesamum indicum</i> , <i>Setaria italica</i> , <i>Solanum pennellii</i> , <i>Solanum tuberosum</i> , <i>Spinacia oleracea</i> , <i>Tarenaya hassleriana</i> , <i>Theobroma cacao</i> , <i>Zea mays</i>)
AS16 3148A	SAM1-4 S-adenosylmethionine synthase (affinity purified)	Rabbit	100 µg	Western blot (WB)	<i>Arabidopsis thaliana</i> , <i>Malus domestica</i> (predicted: <i>Beta vulgaris</i> , <i>Brassica sp.</i> , <i>Citrus sp.</i> , <i>Coffea canephora</i> , <i>Caomelina sativa</i> , <i>Capsella rubella</i> , <i>Cucumis melo</i> , <i>Cucumis sativus</i> , <i>Genlisea aurea</i> , <i>Gentiana triflora</i> , <i>Guzmania wittmacki</i> , <i>Gossypium raimondii</i> , <i>Eucalyptus grandis</i> , <i>Eutrema salsugineum</i> , <i>Ipomoea batatas</i> , <i>Jatropha curcas</i> , <i>Musa acuminata</i> , <i>Nicotiana sp.</i> , <i>Oryza brachyantha</i> , <i>Phoenix dactylifera</i> , <i>Populus sp.</i> , <i>Prunus sp.</i> , <i>Ricinus communis</i> , <i>Sesamum indicum</i> , <i>Setaria italica</i> , <i>Solanum pennellii</i> , <i>Solanum tuberosum</i> , <i>Spinacia oleracea</i> , <i>Tarenaya hassleriana</i> , <i>Theobroma cacao</i> , <i>Zea mays</i>)
AS10 1623	sII0528 putative zinc metalloprotease sII0528	Rabbit	50 µl	Western blot (WB)	<i>Synechocystis sp. PCC 683</i> (predicted: <i>Crocospaera watsonii</i> , <i>Synechococcus</i> , <i>Microcystis aeruginosa</i> , <i>Nostoc sp.</i>)

Product number	Product name	Host	Format	Tested Applications	Reactivity
AS08 355	slr0156 ATP-dependent chaperone clpB	Rabbit	100 µl	Western blot (WB)	<i>Synechocystis PCC 683 (predicted: Cyanobacteria)</i>
AS08 344	slr1641 ATP-dependent chaperone clpB	Rabbit	100 µl	Western blot (WB)	<i>Synechocystis PCC 683, Solanum lycopersicum (predicted: Cyanobacteria, Francisella sp.)</i>
AS16 3943	SOT12 Cytosolic Sulfotransferase 12	Rabbit	50 µg	Western blot (WB)	<i>Arabidopsis thaliana (predicted: Arabidopsis lyrata subsp. lyrata, Arabis alpina, Brassica napus, Brassica oleracea var. oleracea, Brassica rapa subsp. pekinensis, Capsella rubella, Eutrema salsugineum, Noccaea caerulescens)</i> Species of your interest not listed? Contact us)
AS11 1770	Sub1C submergence-1C	Rabbit	100 µl	Western blot (WB)	<i>Oryza sativa (predicted: Oryza sativa)</i>
AS15 2830	SUS1 Sucrose synthase 1	Rabbit	50 µl	Western blot (WB)	<i>Arabidopsis thaliana, Hordeum vulgare, Miscanthus x giganteus, Zea mays (predicted: Brassica sp., Glycine max, Gossypium sp., Hevea brasiliensis, Jatropha curcas, Mangifera indica, Manihot esculenta, Theobroma cacao, Pisum sativum, populus tomentosa, Ricinus communis)</i> Species of your interest not listed? Contact us)
AS15 3062	TM2 Tobacco mosaic virus resistance-2	Rabbit	50 µl	Western blot (WB)	<i>(predicted: Brassica napus, Micromonas sp., Physcomitrella patens, Pinus sitchensis, Solanum tuberosum, Volvox carteri)</i>

Product number	Product name	Host	Format	Tested Applications	Reactivity
AS08 307A	UBQ11 Ubiquitin (affinity purified)	Rabbit	50 µg	Western blot (WB)	<i>Arabidopsis thaliana, Hordeum vulgare, Lupinus angustifolius, Malus domestica, Nicotiana benthamina, Oryza sativa, Pisum sativum, Solanum tuberosum, Zea mays, Vitis vinifera (predicted: Brachypodium distachyon, Brassica napus, Capsella rubella, Cochliobolus heterostrophus, Citrus clementina, Citrus sinensis, Coffea canephora, Cymbidium faberi, Eucalyptus grandis, Erythraea guttata, Glycine max, Glycine soja, Ipomoea batatas, Medicago truncatula, Magnaporthe oryzae, Nicotiana tabacum, Phaseolus vulgaris, Populus trichocarpa, Prunus persica, Pyrus communis, Ricinus communis, Solanum nigrum, Sorghum bicolor, Triticum aestivum, Theobroma cacao, Vitis vinifera)</i>
AS08 307	UBQ11 Ubiquitin (serum)	Rabbit	50 µl	Western blot (WB)	<i>Arabidopsis thaliana, Euphorbia kansui, Hordeum vulgare, Nicotiana benthamina, Solanum lycopersicum (predicted: Brachypodium distachyon, Brassica napus, Capsella rubella, Cochliobolus heterostrophus, Citrus clementina, Citrus sinensis, Coffea canephora, Cymbidium faberi, Eucalyptus grandis, Erythraea guttata, Glycine max, Glycine soja, Ipomoea batatas, Medicago truncatula, Magnaporthe oryzae, Nicotiana tabacum, Olea europaea var. sylvestris, Oryza sativa, Pisum sativum, Phaseolus vulgaris, Populus trichocarpa, Prunus persica, Pyrus communis, Ricinus communis, Solanum nigrum, Solanum tuberosum, Sorghum bicolor, Triticum aestivum, Theobroma cacao, Zea mays , Vitis vinifera)</i>

Product number	Product name	Host	Format	Tested Applications	Reactivity
AS07 213	V-ATPase Epsilon subunit of tonoplast H+ATPase	Rabbit	50 µl	Immunofluorescence (IF), Immunohistochemistry (IHC), Western blot (WB)	<i>Ananas comosus, Arabidopsis thaliana, Cucumis sativus, Chara australis, Chlamydomonas reinhardtii, Fortunella margarita Swingle, Hordeum vulgare, Lycopersicon esculentum, Lilium longiflorum, Malus x domestica Borkh. c.v. Fuji, Medicago truncatula, Mesembryanthemum crystallinum, Nicotiana tabacum, Noccaea caerulescens, Oryza sativa, Petunia hybrida cv. Mitchell, Populus sp., Pteris vittata (fern), Thellungiella sp., Triticum aestivum, Zea mays, Vitis vinifera (predicted: Brachypodium dystachyon, Capsella rubella, Citrus clementina, Citrus unshiu, Citrus limon, Eucalyptus grandis, Glycine max, Glycine soja, Lotus japonicus, Phaseolus sp., Physcomitrella patens, Populus trichocarpa, Prunus persica, Ricinus communis, Riticum aestivum, Solanum lycopersicum, Solanum tuberosum, Sorghum bicolor Theobroma cacao, Vitis vinifera, Bull frog, Chicken, Bovine, Drosophila melanogaster, Human, Mouse, Rat)</i>
AS09 577A	V-ATPase epsilon subunit of tonoplast H+ATPase (affinity purified, goat antibody)	Goat	200 µg	Western blot (WB)	<i>Arabidopsis thaliana, Avena strigosa, Medicago truncatula, Nicotiana tabacum, Solanum lycopersicum (predicted: Algae, Chlamydomonas reinhardtii, Hordeum vulgare, Malus domestica, Mesembryanthemum sp., Oryza sativa, Petunia sp., Phaseolus sp., Physcomitrella patens, Pteris vittata (fern), Ricinus communis, Thellungiella sp., Zea mays, Vitis vinifera Bull frog, Chicken, Bovine, Drosophila melanogaster, Human, Mouse, Rat)</i>

Product number	Product name	Host	Format	Tested Applications	Reactivity
AS09 577	V-ATPase Epsilon subunit of tonoplast H+ATPase (goat antibody)	Goat	300 µl	Western blot (WB)	<i>Arabidopsis thaliana, Avena strigosa, Nicotiana tabacum, Solanum lycopersicum (predicted: Algae, Chlamydomonas reinhardtii, Hordeum vulgare, Malus domestica, Mesembryanthemum sp., Oryza sativa, Petunia sp., Phaseolus sp., Physcomitrella patens, Pteris vittata (fern), Ricinus communis, Thellungiella sp., Zea mays, Vitis vinifera Bull frog, Chicken, Bovine, Drosophila melanogaster, Human, Mouse, Rat)</i>
AS07 213P	V-ATPase epsilon subunit of tonoplast H+ATPase, Blocking peptide		500 µg (2 µg/µl)		Neutralization assay (NeA)
AS14 2770	ZCP1 Zinc Chaperone Protein	Rabbit	50 µl	Western blot (WB)	<i>Chlamydomonas reinhardtii (predicted: Emiliana huxleyi)</i>
AS12 1848	ZCP2 Zinc Chaperone Protein	Rabbit	50 µl	Western blot (WB)	<i>Chlamydomonas reinhardtii (predicted: Emiliana huxleyi)</i>
AS15 3092	ZEP Zeaxanthin Epoxidase	Rabbit	50 µl	Western blot (WB)	<i>Arabidopsis thaliana (predicted: Brassica campestris, Brassica napus, Brassica rapa, Camelina sativa, Capsella rubella, Eutrema salsugineum, Microthlaspi erraticum, Noccaea caerulescens, Raphanus sativus)</i>