

Agrisera

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Product no **AS07 212-ALP**

VDAC1-5 | Voltage-dependent anion-selective channel protein 1-5, ALP-conjugated (40 µg)

Product information

Background	VDAC proteins are porin-type, beta-barrel diffusion pores. Prominently localized in the outer mitochondrial membrane and involved in metabolite exchange.
Immunogen	KLH-conjugated peptide conserved in all known higher plant VDAC proteins including <i>Arabidopsis thaliana</i> VDAC1 UniProt: Q9SRH5 , TAIR: AT3G01280 , VDAC2 UniProt F4K3R8-1 , TAIR: AT5G67500 , VDAC3 UniProt: Q9SMX3-1 , TAIR: AT5G15090 , VDAC4 UniProt: Q9FKM2-1 , TAIR: AT5G57490 , VDAC5 UniProt: Q9M2W6-1 , TAIR: AT3G49920
Host	Rabbit
Clonality	Polyclonal
Purity	Affinity purified serum
Format	Liquid in PBS pH 7.4, conjugated to ALP
Quantity	40 µg
Storage	Store at 4 °C for 12-18 months. A preservative may be added for long time storage up to 2 years.
Tested applications	Blue-native PAGE (2D BN/SDS-PAGE), Immunolocalization (IL), Western blot (WB)
Related products	AS07 212 Anti-VDAC1-5 Voltage-dependent anion-selective channel protein 1, rabbit antibody AS07-212-HRP Anti-VDAC1-5 Voltage-dependent anion-selective channel protein 1, HRP-conjugated (40 µg) AS04 054 Anti-AOX1/2 rabbit antibody, marker of mitochondrial inner membrane AS06 203A Anti-lDh rabbit antibody, marker of mitochondrial matrix collection of antibodies to other mitochondrial proteins
Additional information	Cellular [compartment marker] of mitochondrial outer membrane

Application information

Recommended dilution	1 : 500 (IL), 1 : 5000, 2-30 µg protein/lane (WB)
Expected apparent MW	29 kDa (for <i>Arabidopsis thaliana</i>)
Confirmed reactivity	<i>Arabidopsis thaliana</i> , <i>Beta vulgaris</i> , <i>Brassica oleracea</i> var. botrytis, <i>Oryza sativa</i> , <i>Papaver</i> sp. pollen tubes (IL), <i>Spinacia oleracea</i> , <i>Physcomitrella patens</i>
Predicted reactivity	<i>Arabidopsis alpina</i> , <i>Aundo donax</i> , <i>Brachypodium distachyon</i> , <i>Brassica campestris</i> , <i>Brassica napus</i> , <i>Brassica rapa</i> subsp. <i>pekinensis</i> , <i>Capsella rubella</i> , <i>Citrus clementina</i> , <i>Citrus sinensis</i> , <i>Eutrema salsugineum</i> , <i>Glycine max</i> , <i>Glycine soja</i> , <i>Gossypium arboreum</i> , <i>Hoedum vulgare</i> var. <i>distichum</i> , <i>Jatropha curcas</i> , <i>Medicago truncatula</i> , <i>Mesembryanthemum crystallinum</i> , <i>Morus notabilis</i> , <i>Nicotiana tabacum</i> , <i>Phaseolus coccineus</i> , <i>Phaseolus vulgaris</i> , <i>Pisum sativum</i> , <i>Plantago major</i> , <i>Prunus persica</i> , <i>Ricinus communis</i> , <i>Solanum lycopersicum</i> , <i>Solanum tuberosum</i> , <i>Sorghum bicolor</i> , <i>Theobroma cacao</i> , <i>Triticum aestivum</i> , <i>Vitis vinifera</i> , <i>Zea mays</i> Species of your interest not listed? Contact us
Not reactive in	<i>Chlamydomonas reinhardtii</i> , <i>Glycine max</i> , <i>Zea mays</i> , diatoms, <i>Saccharomyces cerevisiae</i>
Additional information	Amount of mitochondrial fraction detected by anti-VDAC1 antibody was from 2-10 µg. Immunolocalization method description and images are available here

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Blue-native (2D BN/SDS-PAGE) methodology is described in Piechota et al. 2010

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