VDAC1-5 | Voltage-dependent anion-selective channel protein 1-5, DyLight 488 conjugated (40 μg)

CD BioSciences
Plant Protein

Cat *PA00386*

Size *40 μg*

Host
Rabbit

Clonality
Polyclonal

Confirmed reactivity
Arabidopsis thaliana, Beta vulgaris, Brassica oleracea var. botrytis, Brassica rapa subsp. rapa, Citrus sinensis, Fortunella margarita Swingle, Oryza sativa, Papaver sp. pollen tubes (IL), Spinacia oleracea, Physcomitrium patens, Zea mays

Immunogen
KLH-conjugated peptide conserved in all known higher plant VDAC proteins including Arabidopsis thaliana 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
Antigen affinity purified serum in PBS pH 7.4

Format
Liquid

Storage
Store at 4°C for 12-18 months. A preservative may be added for long time storage, up to 2 years. Shortly, spin the tube before use.

Application
Immunofluorescence (IF), Western blot (WB)

Recommended dilution
To be determined by end user

Expected | apparent MW
29 kDa (for Arabidopsis thaliana)

Confirmed reactivity
Arabidopsis thaliana, Beta vulgaris, Brassica oleracea var. botrytis, Brassica rapa subsp. rapa, Citrus sinensis, Fortunella margarita Swingle, Oryza sativa, Papaver sp. pollen tubes (IL), Spinacia oleracea, Physcomitrium patens, Zea mays

Predicted reactivity
Arabidopsis alpina, Aundo donax, Brachypodium distachyon, Brassica campestris, Brassica napus, Brassica rapa subsp. pekinensis, Capsella rubella, Citrus clementina, Eutrema salsugineum, Glycine max, Glycine

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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soja, Gossypium arboreum, Hoedum vulgare var. distichum, Jatropha curcas, Medicago truncatula, Mesembryanthemum crystallinum, Morus notabilis, Nicotiana tabacum, Phaseolus coccineus, Phaseolus vulgaris, Pisum sativum, Plantago major, Prunus persica, Ricinus communis, Solanum lycopersicum, Solanum tuberosum, Sorghum bicolor, Theobroma cacao, Triticum aestivum, Vitis vinifera

Not reactive in

Chlamydomonas reinhardtii, Glycine max, Zea mays, diatoms, Saccharomyces cerevisiae

Additional information

Cellular [compartment marker] of mitochondrial outer membrane

Description

VDAC proteins are porin-type β-barrel diffused pores, mainly located in the outer membrane of mitochondria, and participate in metabolite exchange, DyLight 488 Amax = 493 nm, Emax = 519 nm. DyLight is a registered trademark of Thermofisher Inc. and its subsidiaries.

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