PSAB Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PSAB, Polyclonal Antibody
Full Product Name	Rabbit anti-Oryza sativa subsp. japonica (Rice) PSAB Polyclonal Antibody
Product Gene Name	anti-PSAB antibody
Product Synonym Names	PSAB Antibody; Photosystem I P700 chlorophyll a apoprotein A2; EC 1.97.1.12; PSI-B; PsaB; psaB LOC_Osp1g00330 Nip049
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Oryza sativa subsp. japonica (Rice)
Form/Format	Liquid Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH7.4
Purity/Purification	Antigen-affinity
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	82,560 Da
3D Structure	ModBase 3D Structure for P0C358
Immunogen	Recombinant Oryza sativa subsp. japonica (Rice) psaB protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-PSAB antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-PSAB antibody	MBS7150790 is an antibody targeting PSAB. Also known as Rabbit anti-Oryza sativa subsp. japonica (Rice) PSAB Polyclonal Antibody. Reactive in Oryza sativa subsp. japonica (Rice). Host: Rabbit.
Other Notes	Small volumes of anti-PSAB antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PSAB. It may not necessarily be applicable to this product.

NCBI GI #	11466786
NCBI GeneID	3131407
NCBI Accession #	NP_039382.1
UniProt Primary Accession #	P0C358
UniProt Secondary Accession #	P12156; Q6QXU8; Q6QY75

UniProt Related Accession #	P0C358
GenBank Nucleotide #	NC_001320.1
NCBI Official Full Name	photosystem I P700 chlorophyll a apoprotein A2 (plastid)
NCBI Official Symbol	psaB
UniProt Protein Name	Photosystem I P700 chlorophyll a apoprotein A2
UniProt Synonym Protein Names	PSI-B
Protein Family	Chaperone protein
UniProt Gene Name	psaB
NCBI Protein Information	PSI P700 apoprotein A2
UniProt Comments for PSAB	PsaA and PsaB bind P700, the primary electron donor of photosystem I (PSI), as well as the electron acceptors A0, A1 and FX. PSI is a plastocyanin-ferredoxin oxidoreductase, converting photonic excitation into a charge separation, which transfers an electron from the donor P700 chlorophyll pair to the spectroscopically characterized acceptors A0, A1, FX, FA and FB in turn. Oxidized P700 is reduced on the lumenal side of the thylakoid membrane by plastocyanin.
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