PSBJ Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PSBJ, Polyclonal Antibody
Full Product Name	Rabbit anti-Zea mays (Maize) PSBJ Polyclonal Antibody
Product Gene Name	anti-PSBJ antibody
Product Synonym Names	PSBJ Antibody; Photosystem II reaction center protein J; PSII-J; psbJ
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Zea mays (Maize)
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	4,195 Da
3D Structure	ModBase 3D Structure for P19444
Immunogen	Recombinant Zea mays (Maize) psbJ protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-PSBJ antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-PSBJ antibody	MBS7153370 is an antibody targeting PSBJ. Also known as Rabbit anti-Zea mays (Maize) PSBJ Polyclonal Antibody. Reactive in Zea mays (Maize). Host: Rabbit.
Other Notes	Small volumes of anti-PSBJ 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 PSBJ. It may not necessarily be applicable to this product.

NCBI GI #	11467205
NCBI GeneID	845207
NCBI Accession #	NP_043038.1
UniProt Primary Accession #	P19444
UniProt Related Accession #	P19444

GenBank Nucleotide #	NC_001666.2
NCBI Official Full Name	photosystem II protein J (chloroplast)
NCBI Official Symbol	psbJ
UniProt Protein Name	Photosystem II reaction center protein J
Protein Family	Photosystem II reaction center protein
UniProt Gene Name	psbJ
UniProt Synonym Gene Names	PSII-J
NCBI Protein Information	photosystem II reaction center subunit X
UniProt Comments for PSBJ	One of the components of the core complex of photosystem II (PSII). PSII is a light-driven water:plastoquinone oxidoreductase that uses light energy to abstract electrons from H2O, generating O2 and a proton gradient subsequently used for ATP formation. It consists of a core antenna complex that captures photons, and an electron transfer chain that converts photonic excitation into a charge separation.
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