SPS5 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SPS5, Polyclonal Antibody
Full Product Name	Rabbit anti-Oryza sativa subsp. japonica (Rice) SPS5 Polyclonal Antibody
Product Gene Name	anti-SPS5 antibody
Product Synonym Names	SPS5 Antibody; Probable sucrose-phosphate synthase 5; EC 2.4.1.14; Sucrose phosphate synthase 5F; OsSPS5F; UDP-glucose-fructose-phosphate glucosyltransferase; SPS5 SPS11 Os11g0236100 LOC_Os11g12810
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	108,985 Da
3D Structure	ModBase 3D Structure for Q53JI9
Immunogen	Recombinant Oryza sativa subsp. japonica (Rice) SPS5 protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-SPS5 antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-SPS5 antibody	MBS7194910 is an antibody targeting SPS5. Also known as Rabbit anti-Oryza sativa subsp. japonica (Rice) SPS5 Polyclonal Antibody. Reactive in Oryza sativa subsp. japonica (Rice). Host: Rabbit.
Other Notes	Small volumes of anti-SPS5 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 SPS5. It may not necessarily be applicable to this product.

NCBI GI #	1002308571
NCBI GeneID	4350151
NCBI Accession #	XP_015617675.1
UniProt Primary Accession #	Q53JI9
UniProt Secondary Accession #	Q0ITN3; Q53NB0

GenBank Nucleotide #	XM_015762189.1
NCBI Official Full Name	probable sucrose-phosphate synthase 5 isoform X2
NCBI Official Symbol	LOC4350151
UniProt Protein Name	Probable sucrose-phosphate synthase 5
UniProt Synonym Protein Names	Sucrose phosphate synthase 5F; OsSPS5F; UDP-glucose-fructose-phosphate glucosyltransferase
Protein Family	Probable sucrose-phosphate synthase
UniProt Gene Name	SPS5
UniProt Synonym Gene Names	SPS11; OsSPS5F
NCBI Protein Information	probable sucrose-phosphate synthase 5
UniProt Comments for SPS5	Plays a role in photosynthetic sucrose synthesis by catalyzing the rate-limiting step of sucrose biosynthesis from UDP-glucose and fructose- 6-phosphate. Involved in the regulation of carbon partitioning in the leaves of plants. May regulate the synthesis of sucrose and therefore play a major role as a limiting factor in the export of photoassimilates out of the leaf. Plays a role for sucrose availability that is essential for plant growth and fiber elongation ().
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