GLU Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GLU, Polyclonal Antibody
Full Product Name	Rabbit anti-Oryza sativa subsp. japonica (Rice) GLU Polyclonal Antibody
Product Gene Name	anti-GLU antibody
Product Synonym Names	GLU Antibody; Ferredoxin-dependent glutamate synthase, chloroplastic; EC 1.4.7.1; Fd-GOGAT; GLU Os07g0658400 LOC_Os07g46460 OJ1477_F01.112 P0047B07.133
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	175,044 Da
3D Structure	ModBase 3D Structure for Q69RJ0
Immunogen	Recombinant Oryza sativa subsp. japonica (Rice) GLU protein
Conjugation	Non-conjugate
Modification	Unmodified
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-GLU antibody	ELISA (EIA), WB (Western Blot) (ensure identification of antigen)
Related Product Information for anti-GLU antibody	MBS7196080 is an antibody targeting GLU. Also known as Rabbit anti-Oryza sativa subsp. japonica (Rice) GLU Polyclonal Antibody. Reactive in Oryza sativa subsp. japonica (Rice). Host: Rabbit.
Other Notes	Small volumes of anti-GLU 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 GLU. It may not necessarily be applicable to this product.

NCBI GI #	1002284828
NCBI GeneID	4344164
NCBI Accession #	XP_015646712.1
UniProt Primary Accession #	Q69RJ0
UniProt Secondary Accession #	Q0D3Y9; A2V654; A2V657

UniProt Related Accession #	Q69RJ0
GenBank Nucleotide #	XM_015791226.1
NCBI Official Full Name	ferredoxin-dependent glutamate synthase, chloroplastic
NCBI Official Symbol	LOC4344164
NCBI Official Synonym Symbols	GLU; osGog; Fd-GOGAT; OJ1477_F01.112
UniProt Protein Name	Ferredoxin-dependent glutamate synthase, chloroplastic
UniProt Synonym Protein Names	Fd-GOGAT
Protein Family	Glu S.griseus protease inhibitor
UniProt Gene Name	GLU
NCBI Protein Information	ferredoxin-dependent glutamate synthase, chloroplastic
UniProt Comments for GLU	Involved in glutamate biosynthesis in leaf. Required for the reassimilation of ammonium ions generated during photorespiration ().
Research Articles on GLU	**1.** OsFd-GOGAT might participate in nitrogen remobilization during leaf senescence, which provides a potential way to improve nitrogen use efficiency in rice
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