

Anti-GlgP antibody

Catalog: PHY5167A

Product Information

Description:	Rabbit polyclonal antibody
Background:	GlgP/GlgP2 is a glycogen phosphorylase (EC 2.4.1.1) that catalyzes the cleavage of glycogen into glucose-1-phosphate. It is a key factor in glycogen metabolism when CO ₂ fixation and glucose supply are limited, essential for glycogen degradation during darkness and recovery from nitrogen starvation, and required for PHB synthesis under nitrogen starvation. It localizes to the cytoplasm.
Synonyms:	glgP
Immunogen:	KLH-conjugated synthetic peptide (17 aa from N terminal section) derived from <i>Synechocystis</i> sp. PCC 6803 GlgP (slr1367).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Immunogen affinity purified
Reconstitution:	Reconstitution with 150 µl of sterile 1XPBS (PH=7.4) containing 30% glycerol. "Note: please spin tube briefly prior to opening it to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tube".
Stability & Storage:	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 6 months, -20 to -70°C under sterile conditions after reconstitution. 1 month, 2 to 8°C under sterile conditions after reconstitution.
Shipping:	The product is shipped at 4°C. Upon receipt, store it immediately at the temperature recommended above.

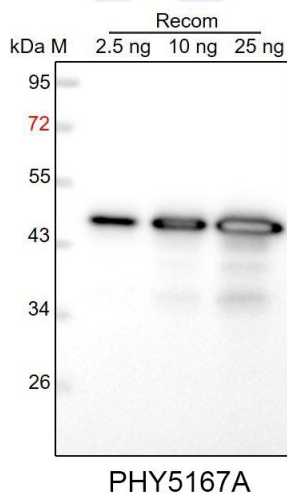
Application Information

Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	98 kDa
Predicted Reactivity:	For more species homologues information, please contact tech

Research Use Only

support at tech@phytoab.com.

Application Example



Recom: 2.5 ng, 10 ng and 25 ng recombinant protein containing the peptide for immunization and having a molecular mass of 45 kDa.

Electrophoresis: 12% SDS-PAGE

Transfer: blotting to NC (nitrocellulose) membrane for 1 h.

Blocking: 5% skim milk at RT or 4°C for 1 h.

Primary antibody: 1:1000 dilution overnight at 4°C.

Secondary antibody: 1:10000 dilution using Goat Anti-Rabbit IgG H&L (HRP) (Cat# PHY6000).

Detection: using chemiluminescence substrate and image were captured with CCD camera.