

Anti-Glycerol-3-phosphate acyltransferase, chloroplastic antibody

Catalog: PHY3657S

Product Information

Description:	Rabbit polyclonal antibody
Background:	ATS1 is a chloroplast glycerol-3-phosphate acyltransferase. Involved in the biosynthesis of chloroplast phosphatidylglycerol.
Synonyms:	ATS1, ACT1, ACYLTRANSFERASE 1
Immunogen:	KLH-conjugated synthetic peptide (15 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> ATS1 (AT1G32200).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Serum
	Peptide affinity form antibody available upon request at info@phytoab.com .
Reconstitution:	Reconstitution with 150 µl of sterile water. "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

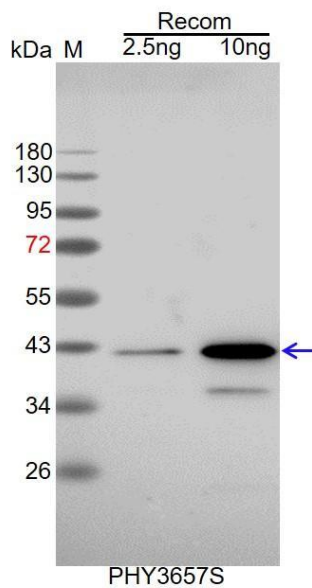
Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	50 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in <i>Cucumis sativus</i> , <i>Brassica napus</i> , <i>Vitis vinifera</i> , <i>Brassica rapa</i> , and 80-99% homologues with the sequence in <i>Hordeum vulgare</i> ,

Research Use Only

Medicago truncatula, Panicum virgatum, Setaria viridis, Gossypium raimondii, Triticum aestivum, Oryza sativa, Nicotiana tabacum, Panicum virgatum, Populus trichocarpa, Zea mays, Sorghum bicolor, Solanum tuberosum, Solanum lycopersicum.

For more species homologues information, please contact tech support at tech@phytoab.com.

Application Example



Recom: 2.5 ng and 10 ng recombinant protein containing the peptide for immunization and having a molecular mass of 43 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.