

Anti-Photosystem I P700 chlorophyll a apoprotein A1 antibody

Catalog: PHY5453S

Product Information

Description:	Rabbit polyclonal antibody
Background:	PsaA and PsaB bind P700, the primary electron donor of photosystem I (PSI), as well as the electron acceptors A0, A1 and FX.
Synonyms:	PsaA
Immunogen:	KLH-conjugated synthetic peptide (16 aa from Central section) derived from <i>Synechocystis sp.</i> PCC 6803 PsaA (slr1834).
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:	83 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in <i>Solanum tuberosum</i> , <i>Brassica rapa</i> , <i>Medicago truncatula</i> , <i>Vitis</i>

Research Use Only

vinifera, *Brassica napus*, *Spinacia oleracea*, *Oryza sativa*, *Zea mays*,
Arabidopsis thaliana, *Sorghum bicolor*, *Populus trichocarpa*, *Glycine*
max, *Hordeum vulgare*, *Cucumis sativus*, *Gossypium raimondii*,
Setaria viridis, *Triticum aestivum*, *Nicotiana tabacum*, *Solanum*
lycopersicum.

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