

Anti-SynPsaA antibody

Catalog: PHY5282A

Product Information

Description:	Rabbit polyclonal antibody
Background:	Photosystem I (PSI) is a multisubunit complex that catalyses the final stage of the light reaction of photosynthesis. PSI has two main components forming its reaction center, PsaA and PsaB. These two subunits bind most of the cofactors required for charge separation and electron transfer in PSI.
Synonyms:	PsaA
Immunogen:	KLH-conjugated synthetic peptide (19 aa from central section) derived from <i>Synechocystis</i> sp. PCC 6803 PsaA (slr1834).
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

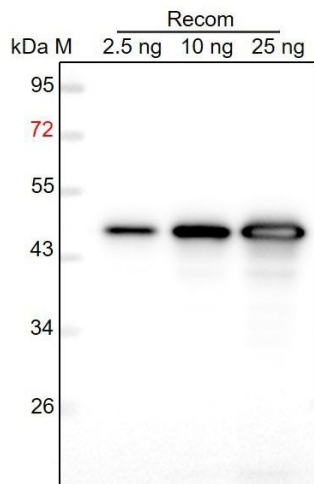
Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	83/65 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in <i>Brassica rapa</i> , <i>Medicago truncatula</i> , <i>Vitis vinifera</i> , <i>Brassica napus</i> ,

Research Use Only

Solanum tuberosum, Spinacia oleracea, Glycine max, Oryza sativa, Chlamydomonas reinhardtii, Zea mays, Arabidopsis thaliana, Panicum virgatum, Sorghum bicolor, Populus trichocarpa, 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.

Application Example



PHY5282A

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.