

Anti-Photosystem I assembly factor PSA3, chloroplastic antibody

Catalog: PHY2204S

Product Information

Description:	Rabbit polyclonal antibody
Background:	Photosystem I (PSI) is a large protein-pigment complex located in the thylakoid membrane in cyanobacteria, plants, and algae. Photosystem I Assembly 3 (PSA3) is conserved among green photosynthetic eukaryotes and is required for PSI accumulation. PSA3 maybe cooperate with PYG7 to promote the stable assembly of PSI, and that the PsaC subunit is likely to be the primary target of their action.
Synonyms:	PSA3, PDE329, PHOTOSYSTEM I ASSEMBLY 3, PIGMENT DEFECTIVE 329
Immunogen:	KLH-conjugated synthetic peptide (15 aa from N terminal section) derived from <i>Arabidopsis thaliana</i> PSA3 (AT3G55250).
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 (1:1000-1:5000) Note: Optimal dilutions/concentrations should be determined by the end user.
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Research Use Only

Expected / apparent MW: 31 kDa

Predicted Reactivity: Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Brassica napus*, *Brassica rapa*, and 80-99% homologues with the sequence in *Glycine max*, *Medicago truncatula*, *Cucumis sativus*, *Oryza sativa*, *Gossypium raimondii*, *Populus trichocarpa*, *Panicum virgatum*, *Setaria viridis*, *Sorghum bicolor*.

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