

Anti-PsaD subunit of photosystem I antibody

Catalog: PHY3805S

Product Information

Description:	Rabbit polyclonal antibody
Background:	Photosystem I (PSI) consists of at least eleven subunits in the thylakoid membrane, and mediates photosynthetic electron transfer from plastocyanin to ferredoxin. PsaD subunit, which is located at the stromal surface of the PSI, is thought to be the docking site of ferredoxin, and encoded by the nuclear gene <i>PsaD-1</i> (AT4G02770) and <i>PsaD-2</i> (AT1G03130).
Synonyms:	PsaD, PSI-D
Immunogen:	KLH-conjugated synthetic peptide (15 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> PsaD-1 (AT4G02770) and PsaD-2 (AT1G03130).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Serum Peptide affinity form antibody available upon request at info@phytoab.com .
Reconstitution:	Reconstitution with 150µl 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:	22 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in <i>Brassica</i>

Research Use Only

napus, *Brassica rapa*, and 80-99% homologues with the sequence in *Gossypium raimondii*, *zea mays*, *Physcomitrium patens*, *Glycine max*, *Nicotiana tabacum*, *Spinacia oleracea*, *Medicago truncatula*, *Solanum lycopersicum*, *Cucumis sativus*, *Triticum aestivum*, *Solanum tuberosum*, *Hordeum vulgare*, *Populus trichocarpa*, *Vitis vinifera*, *Setaria viridis*, *Oryza sativa*, *Panicum virgatum*, *Sorghum bicolor*, *Chlamydomonas reinhardtii*, *Synechococcus elongatus* PCC 7942, *Synechocystis* sp. PCC 6803.

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