Anti-PsaC antibody

Catalog: PHY0055A

Product Information

Description:	Rabbit polyclonal antibody
Background:	Photosystem I (PSI) is a multisubunit complex that catalyses the final stage of the light reactions in chloroplasts. PsaC (ATCG01060) is a PSI subunit exposed to the stromal side of PSI and provides the ligands for two [4Fe-4S] clusters, FA and FB.
Synonyms:	PsaC, PSI-C
Immunogen:	KLH-conjugated synthetic peptide (19 aa from Central section) derived from *Arabidopsis thaliana* PsaC (ATCG01060).
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℃ as supplied. 6 months, -20 to -70℃ under sterile conditions after reconstitution. 1 month, 2 to 8℃ under sterile conditions after reconstitution.
Shipping:	The product is shipped at 4℃. 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:	9 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Brassica rapa*, *Medicago truncatula*, *Brassica napus*, *Solanum tuberosum*, *Zea mays*, *Spinacia oleracea*, *Glycine max*, *Oryza*

sativa, *Triticum aestivum*, *Nicotiana tabacum*, *Sorghum bicolor*, *Solanum lycopersicum*, and 80-99% homologues with the sequence in *Gossypium raimondii*, *Panicum virgatum*, *Physcomitrium patens*, *Cucumis sativus*, *Vitis vinifera*, *Chlamydomonas reinhardtii, Synechocystis sp. PCC 6803*.

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