Anti-Protein PROTON GRADIENT REGULATION 5, chloroplastic, C-terminal antibody

Catalog: PHY2741A

Product Information

Description:	Rabbit polyclonal antibody
Background:	Protein PROTON GRADIENT REGULATION 5 is involved in the regulation of the cyclic electron flow (CEF) around Photosystem I. It is essential for photoprotection.
Synonyms:	PGR5, ATPGR5, PROTON GRADIENT REGULATION 5
Immunogen:	KLH-conjugated synthetic peptide (17 aa from C teminal section) derived from *Arabidopsis thaliana* PGR5 (AT2G05620).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Immunogen affinity purified
Reconstitution:	Reconstitution with 150 µl of 0.01 M sterile PBS. "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:	14 kDa
Confirmed Reactivity:	Coming soon
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*, *Vitis vinifera*, *Populus trichocarpa*, *Cucumis sativus*, *Nicotiana tabacum*, *Zea mays*, and 80-99% homologues with the sequence in *Setaria viridis*, *Sorghum bicolor*, *Panicum virgatum*, *Spinacia oleracea*, *Oryza sativa*, *Gossypium raimondii*, *Triticum aestivum*, *Hordeum vulgare*, *Solanum tuberosum*, *Solanum lycopersicum*, *Medicago truncatula*, *Glycine max*, *Physcomitrium patens*, *Chlamydomonas reinhardtii*.

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