Anti-Plastocyanin antibody

Catalog: PHY0099

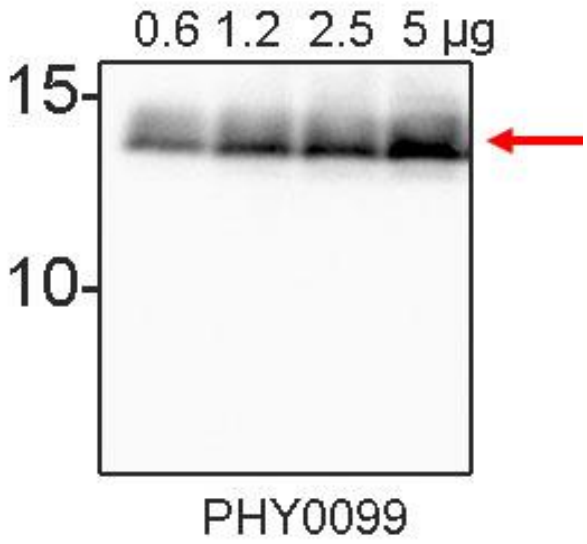
Product Information

Description:	Rabbit polyclonal antibody
Background:	Plastocyanin (DRT112) is one of two Arabidopsis plastocyanin proteins. PETE2 is the predominant form and expressed 10 times higher than PETE1. PETE2 is thought to be post-transcriptionally regulated via copper accumulation and is involved in copper homeostasis.
Synonyms:	PC, Plastocyanin
Immunogen:	Recombinant, mature protein without chloroplast targeting peptide of Arabidopsis thaliana PC (AT1G20340).
Form:	Lyophilized
Quantity:	150 μg
Purification:	Protein A purified
Reconstitution:	Reconstitution with 150 μl of sterile 1×PBS (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:	14 kDa
Predicted Reactivity:	For more species homologues information, please contact tech support at tech@phytoab.com.

Application Example



Thylakoids isolated from Arabidopsis corresponding to 0.6, 1.2, 2.5, and 5 ug of chlorophyll were used for immunoblotting analysis.

Electrophoresis: 10/16% Tricine-SDS-PAGE

Transfer: blotting to NC (nitrocellulose) membrane for 1 h.

Blocking: 5% skim milk at RT or 4℃ for 1 h.

Primary antibody: 1:1000 dilution overnight at 4℃.

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.