Anti-Subuint IV of Cyt b6/f complex antibody

Catalog: PHY2456S

Product Information

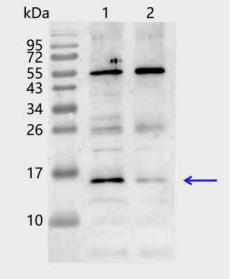
Description:	Rabbit polyclonal antibody
Background:	Cytochrome b6-f complex subunit 4 is component of the cytochrome b6-f complex, which mediates electron transfer between photosystem II (PSII) and photosystem I (PSI), cyclic electron flow around PSI, and state transitions.
Synonyms:	PetD, PETD, PHOTOSYNTHETIC ELECTRON TRANSFER D
Immunogen:	KLH-conjugated synthetic peptide derived from C-terminal section of PetD protein in *Arabidopsis thaliana* ATCG00730.
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℃ 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:	17 / 16 kDa
Confirmed Reactivity:	*Arabidopsis thaliana*
Predicted Reactivity:	Among 25 analyzed species, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in

Medicago truncatula, *Zea mays*, *Oryza sativa*, *Solanum lycopersicum*, *Sorghum bicolor*, *Cucumis sativus*, *Hordeum vulgare subsp. vulgare*, *Populus trichocarpa*, *Glycine max*, *Nicotiana tabacum*, *Spinacia oleracea*, *Setaria viridis*, *Triticum aestivum.*
For more species homologues information, please contact tech support at tech@phytoab.com.

Application Example



1 is thylakoid membrane protein from WT of *Arabidopsis thaliana* leaf containing 0.75 μg of chlorophyll.
2 is thylakoid membrane protein from Arabidopsis mutant with low accumulation of Cyt b6f complex containing 0.75 μg of chlorophyll.
Electrophoresis: 15% SDS-Urea-PAGE

PHY2456S **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.