Anti-CFoI subunits of chloroplast ATP synthase antibody

Catalog: PHY0316

Product Information

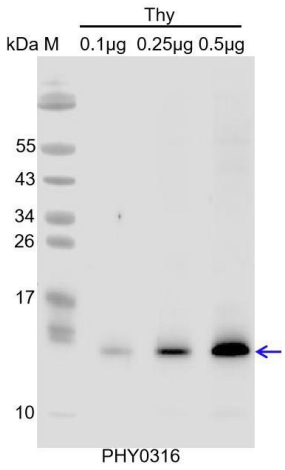
Description:	Rabbit polyclonal antibody
Background:	Chloroplast ATP synthase consists of two structural domains, CF0 and CF1. CF1 contains the extramembraneous catalytic core and CF0 contains the membrane proton channel. Two domains are linked together by a central stalk and a peripheral stalk. ATP synthase subunit b is a subunit of the peripheral stalk.
Synonyms:	AtpF, ATP synthase F(0) sector subunit b, CF_0I
Immunogen:	Recombinant protein of AtpF (1-184 aa) derived from *Arabidopsis thaliana* ATCG00130.
Form:	Lyophilized
Quantity:	150 µg
Purification:	Protein A 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:	21 / 15 kDa
Confirmed Reactivity:	*Arabidopsis thaliana*

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

Application Example



Thy: thylakoid membrane protein from *Arabidopsis thaliana* containing 0.1 μg, 0.25 μg, 5 μg of chlorophyll, respectively.

Electrophoresis: 15% SDS-Urea-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.