Anti-Porphobilinogen deaminase, chloroplastic antibody

Catalog: PHY2206

Product Information

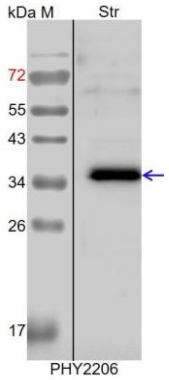
Description:	Rabbit polyclonal antibody
Background:	HEMC is a protein with porphobilinogen deaminase activity. This protein is targeted to the chloroplast. The enzyme porphobilinogen deaminase catalyses a key early step of the haem- and chlorophyll-biosynthesis pathways in which four molecules of the monopyrrole porphobilinogen are condensed to form a linear tetrapyrrole.
Synonyms:	HEMC, HYDROXYMETHYLBILANE SYNTHASE, RUG1, RUGOSA 1
Immunogen:	Recombinant protein (202-370aa) derived from *Arabidopsis thaliana* HEMC (AT5G08280).
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:	41 / 35 kDa
Confirmed Reactivity:	*Arabidopsis thaliana*

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

Application Example



Str: 15 μg stromal protein from *Arabidopsis thaliana*.
Electrophoresis: 15% SDS-PAGE
Transfer: blotting to NC (nitrocellulose) membrane for 1 h.
Blocking: 5% skim milk at RT or 4℃ for 1 h.
Primary antibody: 1:2000 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.