Anti-Uroporphyrinogen decarboxylase 2, chloroplastic antibody

Catalog: PHY2680S

Product Information

Description:	Rabbit polyclonal antibody
Background:	HEME2 catalyzes the decarboxylation of four acetate groups of uroporphyrinogen-III to yield coproporphyrinogen-III.
Synonyms:	HEME2
Immunogen:	KLH-conjugated synthetic peptide (21 aa from C terminal section) derived from *Arabidopsis thaliana* HEME2 (AT2G40490).
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.

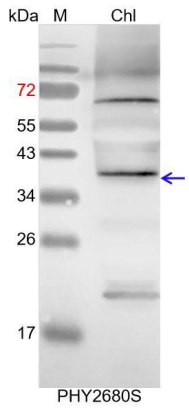
Application Information

Recommended Dilution:	Western Blot (1:1000-1:5000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	44 / 40 kDa
Confirmed Reactivity:	*Arabidopsis thaliana*
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Hordeum*

vulgare, *Populus trichocarpa, Glycine max*, *Nicotiana tabacum*, *Spinacia oleracea*, *Vitis vinifera*, *Cucumis sativus*, *Solanum tuberosum*, *Brassica rapa*, *Oryza sativa*, *Brassica napus*, *Solanum lycopersicum*, *Gossypium raimondii*, and 80-99% homologues with the sequence in *Zea mays*, *Sorghum bicolor*, *Panicum virgatum, Physcomitrium patens, Setaria viridis, Medicago truncatula.*
For more species homologues information, please contact tech support at tech@phytoab.com.

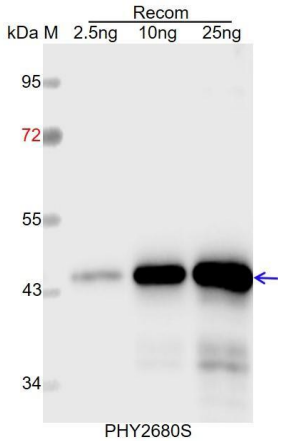
Application Example

Example1:



Chl: 5 μl total chloroplast 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: 1:5000 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.

Example2:



Recom: 2.5 ng, 10 ng and 25 ng recombinant protein containing the peptide for immunization and having a molecular mass of 45 kDa.
Electrophoresis: 12% 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.