Anti-Tetrapyrrole-binding protein antibody

Catalog: PHY5504S

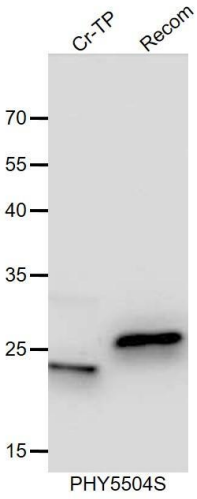
Product Information

Description:	Rabbit polyclonal antibody
Background:	Tetrapyrrole-binding protein, chloroplast precursor. In Arabidopsis, GUN4 (Genomes uncoupled 4) is required for the functioning of the plastid mediated repression of nuclear transcription that is involved in controlling the levels of magnesium- protoporph
Synonyms:	CrGUN4
Immunogen:	Recombinant protein of CrGUN4 ΔTP(*Chlamydomonas reinhardtii* GUN4 protein without chloroplast transit peptides, amino acids 53-260)
Form:	Lyophilized
Quantity:	150 µg
Purification:	Serum
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:	29 / 24 kDa
Confirmed Reactivity:	*Chlamydomonas reinhardtii* and Anti-GUN4 recognizes recombinant protein CrGUN4ΔTP, mature CrGUN4 and CrGUN4 fused with tag.
Predicted Reactivity:	For more species homologues information, please contact tech support at tech@phytoab.com.

Application Example



Cr-TP: 30 μg total protein from *Chlamydomonas reinhardtii.*
Recom: 5 ng His-CrGUN4△TP fusion protein and having a molecular mass of 27 kDa.

Electrophoresis: 10% SDS-PAGE

Transfer: blotting to PVDF 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: 1:20000 dilution using Goat Anti-Rabbit IgG H&L (HRP) (Cat# PHY6000).

Detection: using chemiluminescence substrate and image were captured with CCD camera.