Anti-Glutamate-1-semialdehyde 2,1-aminomutase 1, chloroplastic antibody

Catalog: PHY1901S

Product Information

Description:	Rabbit polyclonal antibody
Background:	GSA1 is involved in the biosynthesis of tetrapyrroles, it with homology to glutamate-1-semialdehyde 2,1-aminomutase catalyze the conversion of glutamate-1-semialdehyde (GSA) into 5-amino levulinate.
Synonyms:	GSA1, "GLUTAMATE-1-SEMIALDEHYDE-2,1-AMINOMUTASE"
Immunogen:	KLH-conjugated synthetic peptide (13 aa from N terminal section) derived from central section of GSA1 in *Arabidopsis thaliana* AT5G63570.
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.

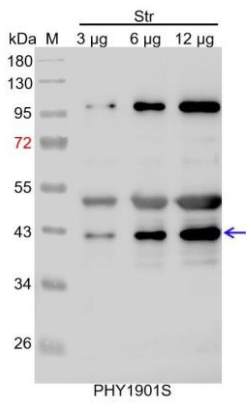
Application Information

Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	50 / 43 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 *Brassica napus, Brassica rapa.*

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

Application Example



Str: 3 μg, 6 μg and 12 μg stromal protein from *Arabidopsis thaliana*, respectively.

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.