Anti-14-3-3-like protein GF14 omega, C-terminal antibody

Catalog: PHY0975S

Product Information

Description:	Rabbit polyclonal antibody
Background:	The eukaryotic regulatory protein 14-3-3 is involved in many important plant cellular processes including regulation of nitrate assimilation through inhibition of phosphorylated nitrate reductase (pNR) in darkened leaves. 14-3-3ω is associated with a DNA binding complex that binds to the G box, a well-characterized cis-acting DNA regulatory element found in plant genes.
Synonyms:	14-3-3ω, 14-3-3 PROTEIN G-BOX FACTOR14 OMEGA, 14-3-3OMEGA, GENERAL REGULATORY FACTOR 2, GF14 OMEGA, GRF2
Immunogen:	KLH-conjugated synthetic peptide (12 aa from C terminal section) derived from *Arabidopsis thaliana* 14-3-3ω (AT1G78300).
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

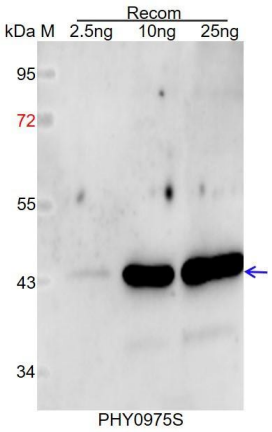
Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	29 kDa

Predicted Reactivity: Among species analyzed, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in *Brassica napus*, *Brassica rapa*, *Panicum virgatum*, *Setaria viridis*, *Sorghum bicolor*, *Oryza sativa*.

The sequence of the synthetic peptide used for immunization is 83% homologues with the sequence in GRF4 (AT1G35160).

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

Application Example



Recom: 2.5 ng, 10 ng and 25 ng recombinant protein containing the peptide for immunization and having a molecular mass of 44 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.