

# Anti-14-3-3-like protein GF14 omega antibody

Catalog: PHY0975S

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	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. 14-3-3 $\omega$ 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.
<b>Synonyms:</b>	14-3-3 $\omega$ , 14-3-3 PROTEIN G-BOX FACTOR14 OMEGA, 14-3-3OMEGA, GENERAL REGULATORY FACTOR 2, GF14 OMEGA, GRF2.
<b>Immunogen:</b>	KLH-conjugated synthetic peptide (12 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> 14-3-3 $\omega$ (AT1G78300).
<b>Form:</b>	Lyophilized
<b>Quantity:</b>	150 $\mu$ g
<b>Purification:</b>	Serum Peptide affinity form antibody available upon request at <a href="mailto:info@phytoab.com">info@phytoab.com</a> .
<b>Reconstitution:</b>	Reconstitution with 150 $\mu$ l 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".
<b>Stability &amp; Storage:</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 6 months, -20 to -70°C under sterile conditions after reconstitution. 1 month, 2 to 8°C under sterile conditions after reconstitution.
<b>Shipping:</b>	The product is shipped at 4°C. Upon receipt, store it immediately at the temperature recommended above.

## Application Information

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

Research Use Only

**Confirmed Reactivity:**

Coming soon

**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](mailto:tech@phytoab.com).