

# Anti-Guanine nucleotide-binding protein alpha-1 subunit, C-terminal antibody

Catalog: PHY0855A

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	GPA1 protein is an alpha subunit of a heterotrimeric GTP-binding protein. The $\alpha$ and $\beta$ subunits of the Arabidopsis heterotrimeric G protein act both synergistically and separately in activating different intracellular ROS-generating systems.
<b>Synonyms:</b>	GPA1, G $\alpha$ , ARABIDOPSIS THALIANA G PROTEIN ALPHA SUBUNIT 1, ATGPA1, G PROTEIN ALPHA SUBUNIT 1, GP ALPHA 1
<b>Immunogen:</b>	KLH-conjugated synthetic peptide (15 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> GPA1 (AT2G26300).
<b>Form:</b>	Lyophilized
<b>Quantity:</b>	150 $\mu$ g
<b>Purification:</b>	Immunogen affinity purified
<b>Reconstitution:</b>	Reconstitution with 150 $\mu$ l of 0.01 M sterile PBS. "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>	45 kDa
<b>Confirmed Reactivity:</b>	Coming soon

Research Use Only

**Predicted Reactivity:**

Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Brassica napus*, *Glycine max*, *Brassica rapa subsp. trilocularis*, *Vitis vinifera*, and 80-99% homologues with the sequence in *Spinacia oleracea*, *Populus trichocarpa*, *Solanum lycopersicum*, *Solanum tuberosum*, *Nicotiana tabacum*, *Medicago truncatula*, *Cucumis sativus*, *Gossypium raimondii*.

For more species homologues information, please contact tech support at [tech@phytoab.com](mailto:tech@phytoab.com).