

Anti-Glutathione synthase 2 antibody

Catalog: PHY0135A

Product Information

Description:	Rabbit polyclonal antibody
Background:	GSH2 is similar to glutathione synthetases, which catalyzes one of the early steps in glutathione biosynthesis. Two transcripts have been detected; the longer transcript is less abundant and the protein is localized to the chloroplast. The smaller transcript, in which the transit peptide is truncated, is localized to the cytosol.
Synonyms:	GSH2, ATGSH2, GLUTATHIONE SYNTHETASE 2, GSHB
Immunogen:	KLH-conjugated synthetic peptide of GSH2 derived from <i>Arabidopsis thaliana</i> AT5G27380.
Form:	Lyophilized
Quantity:	150 µg
Purification:	Immunogen affinity purified
Reconstitution:	Reconstitution with 150 µl 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".
Stability & Storage:	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.
Shipping:	The product is shipped at 4°C. 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:	60 kDa
Confirmed Reactivity:	<i>Arabidopsis thaliana</i>
Predicted Reactivity:	Among 25 analyzed species, the sequence of the synthetic peptide

Research Use Only

used for immunization is 100% homologues with the sequence in *Brassica rapa subsp. chinensis*, *Cucumis sativus*, and 80-99% homologues with the sequence in *Nicotiana tabacum*, *Solanum lycopersicum*, *Oryza sativa Japonica Group*, *Chlamydomonas reinhardtii*, *Spinacia oleracea*, *Zea mays*, *Sorghum bicolor*, *Triticum aestivum*.

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