

Anti-Probable glutathione peroxidase 4 antibody

Catalog: PHY1066S

Product Information

Description:	Rabbit polyclonal antibody
Background:	The plant glutathione peroxidase (GPX) family consists of multiple isoenzymes with distinct subcellular locations which exhibit different tissue-specific expression patterns and environmental stress responses. GPX4 (AT2G48150) is one of the subunit.
Synonyms:	GPX4, ATGPX4, GLUTATHIONE PEROXIDASE 4, GPXL4
Immunogen:	KLH-conjugated synthetic peptide (15 aa from N terminal section) derived from <i>Arabidopsis thaliana</i> GPX4 (AT2G48150).
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°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:	19 kDa
Confirmed Reactivity:	Coming soon
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used

Research Use Only

for immunization is 100% homologous with the sequence in *Brassica rapa*, *Brassica napus*, and 80-99% homologous with the sequence in *Nicotiana tabacum*, *Gossypium raimondii*, *Glycine max*.

The sequence of the synthetic peptide used for immunization is 80% homologous with the sequence in GPX5 (AT3G63080).

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