

## Anti-Probable glutathione peroxidase 2 antibody

Catalog: PHY1062A

## **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. GPX2 (AT2G31570)	
	is one of the subunit.	
Synonyms:	GPX2, ATGPX2, GLUTATHIONE PEROXIDASE 2, GPXL2	
Immunogen:	KLH-conjugated synthetic peptide (15 aa from C terminal section) derived from	
	Arabidopsis thaliana GPX2 (AT2G31570).	
Form:	Lyophilized	
Quantity:	150 µg	
Purification:	Immunogen affinity purified	
<b>Reconstitution:</b>	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 &	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.	
Storage:	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**

<b>Recommended Dilution:</b>	Western Blot (1:1000-1:2000)
	Note: Optimal dilutions/concentrations should be determined by the
	end user.
Expected / apparent MW:	19 kDa
Confirmed Reactivity:	Arabidopsis thaliana
Predicted Reactivity:	Among analyzed species, the sequence of the synthetic peptide used
	for immunization is 100% homologues with the sequence in <i>Brassica</i>

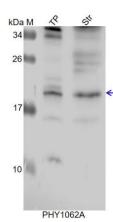
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rapa, Brassica napus, and 80-99% homologues with the sequence in *Glycine max*.

For more species homologues information, please contact tech support at <u>tech@phytoab.com</u>.

## **Application Example**



TP: 22 μg total protein from *Arabidopsis thaliana*.
Str: 6 μg stromal protein from *Arabidopsis thaliana*.
Electrophoresis: 15% SDS-PAGE
Transfer: blotting to NC (nitrocellulose) membrane for 1 h.
Blocking: 5% skim milk at RT or 4°C for 1 h.
Primary antibody: 1:1000 dilution overnight at 4°C.
Secondary antibody: 1:5000 dilution using Goat Anti-Rabbit IgG
H&L(HRP) (Cat# PHY6000).
Detection: using chemiluminescence substrate and image were captured with CCD camera.

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