

Anti-S-nitrosogluthathione reductase antibody

Catalog: PHY0642A

Product Information

Description:	Rabbit polyclonal antibody
Background:	S-nitrosogluthathione reductase (GSNOR) (also known as class III type alcohol dehydrogenase) is believed to modulate effects of reactive oxygen and nitrogen species through catabolism of S-nitrosogluthathione (GSNO).
Synonyms:	GSNOR, ADH2, ALCOHOL DEHYDROGENASE 2, ATGSNOR1, HOT5, PAR2, PARAQUAT RESISTANT 2, SENSITIVE TO HOT TEMPERATURES 5
Immunogen:	KLH-conjugated synthetic peptide (14 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> ADH2 (AT5G43940).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Immunogen affinity purified
Reconstitution:	Reconstitution with 150µl of 0.01M 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:	42 kDa
Confirmed Reactivity:	<i>Arabidopsis thaliana</i>
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in <i>Glycine max</i> , <i>Medicago truncatula</i> , and 80-99% homologues with the

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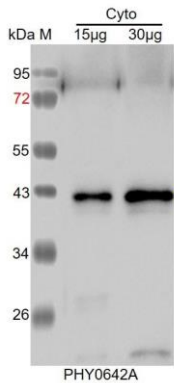
sequence in *Vitis vinifera*, *Brassica rapa*, *Populus trichocarpa*, *Brassica napus*, *Panicum virgatum*, *Triticum aestivum*, *Oryza sativa*, *Sorghum bicolor*, *Hordeum vulgare*, *Setaria viridis*, *Spinacia oleracea*, *Solanum tuberosum*, *Solanum lycopersicum*, *Cucumis sativus*, *Zea mays*, *Nicotiana tabacum*, *Gossypium raimondii*.

The sequence of the synthetic peptide used for immunization is 86% homologues with the sequence in ADH1 (AT1G77120).

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

Application Example

Cyto: 15 μ g, and 30 μ g cytosolic protein from *Arabidopsis thaliana*, respectively.



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: 1:2000 dilution overnight at 4°C.

Secondary antibody: 1:10000 dilution using Goat Anti-Rabbit IgG H&L (HRP) (Cat# PHY6000)

Detection: using chemiluminescence substrate and image were captured with CCD camera.