

Anti-Thioredoxin reductase 2 antibody

Catalog: PHY1553S

Product Information

Description:	Rabbit polyclonal antibody
Background:	Thioredoxin (NTR/TRX) and glutathione (GSH/GRX) are the two major systems which play a key role in the maintenance of cellular redox homeostasis. They are essential for plant development, cell division or the response to environmental stresses. In Arabidopsis, three NTR proteins are including NTRA (AT2G17420), NTRB (AT4G35460), NTRC (AT2G41680).
Synonyms:	Ntra, ATNTRA, NADPH-DEPENDENT THIOREDOXIN REDUCTASE 2, NADPH-DEPENDENT THIOREDOXIN REDUCTASE A, NTR2, THIOREDOXIN REDUCTASE A
Immunogen:	KLH-conjugated synthetic peptide of Ntra derived from <i>Arabidopsis thaliana</i> AT2G17420.
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:	40 / 36kDa

Research Use Only

Confirmed Reactivity:

Arabidopsis thaliana

Predicted Reactivity:

Among 25 analyzed species, the sequence of the synthetic peptide used for immunization is 80-99% homologous with the sequence in *Sorghum bicolor*, *Zea mays*.

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