

Anti-NTRC antibody

Catalog: PHY8160A

Product Information

Description:	Rabbit polyclonal antibody
Background:	NTRC is a chloroplastic NADPH-dependent thioredoxin reductase. It maintains chloroplast redox homeostasis by reducing 2-Cys peroxiredoxins and regulates photosynthesis, chlorophyll/starch biosynthesis, and iron homeostasis.
Synonyms:	NTRC, NADPH-DEPENDENT THIOREDOXIN REDUCTASE C
Immunogen:	KLH-conjugated synthetic peptide (15 aa from central section) derived from <i>Arabidopsis thaliana</i> NTRC (AT2G41680).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Immunogen affinity purified
Reconstitution:	Reconstitution with 150 µl of sterile 1XPBS (PH=7.4) containing 30% glycerol. "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:	58 kDa
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>Triticum aestivum</i> , <i>Solanum tuberosum</i> , <i>Brassica napus</i> , <i>Brassica rapa</i> , <i>Gossypium raimondii</i> , <i>Hordeum vulgare</i> , <i>Medicago</i>

Research Use Only

truncatula, and 93% homologues with the sequence in *Cucumis sativus*, *Populus trichocarpa*, *Zea mays*, *Solanum lycopersicum*, *Panicum virgatum*, *Oryza sativa*, *Physcomitrium patens*.

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