

Anti-Thioredoxin-like protein CITRX, chloroplastic antibody

Catalog: PHY2583A

Product Information

Description:	Rabbit polyclonal antibody
Background:	TRX Z is a component of the transcriptionally active plastid chromosome that is required for plastid gene expression. Possesses disulfide reductase activity in vitro. Two fructokinase-like proteins (FLN1 and FLN2), members of the pfkB-carbohydrate kinase family, are potential TRX Z targets.
Synonyms:	TRX Z, PAP10, THIOREDOXIN PUTATIVE PLASTIDIC, THIOREDOXIN Z, TRX P
Immunogen:	KLH-conjugated synthetic peptide (17 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> TRX Z (AT3G06730).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Immunogen affinity purified
Reconstitution:	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 & 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:	21 kDa

Research Use Only

Confirmed Reactivity:

Coming soon

Predicted Reactivity:

Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Brassica napus*, *Medicago truncatula*, *Vitis vinifera*, *Brassica rapa*, *Spinacia oleracea*, *Nicotiana tabacum*, *Solanum tuberosum*, *Solanum lycopersicum*, *Triticum aestivum*, and 80-99% homologues with the sequence in *Hordeum vulgare*, *Triticum aestivum*, *Cucumis sativus*, *Glycine max*, *Zea mays*, *Sorghum bicolor*, *Setaria viridis*, *Panicum virgatum*, *Populus trichocarpa*, *Oryza sativa*.

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