Anti-Protein TIC40, chloroplastic antibody

Catalog: PHY0229A

Product Information

Description:	Rabbit polyclonal antibody
Background:	TIC40 is a protein in the chloroplast inner membrane translocon complex. It is involved in protein precursor import into chloroplasts and reinsertion of proteins from the chloroplast stroma into the inner membrane. Three components of the chloroplast protein translocon, Tic110(AT1G06950), Hsp93 (ClpC), and Tic40(AT5G16620), have been shown to be important for protein translocation across the inner envelope membrane into the stroma.
Synonyms:	TIC40, ATTIC40, PDE120, PIGMENT DEFECTIVE EMBRYO 120, TRANSLOCON AT THE INNER ENVELOPE MEMBRANE OF CHLOROPLASTS 40
Immunogen:	KLH-conjugated synthetic peptide of TIC40 derived from *Arabidopsis thaliana* AT5G16620.
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℃ as supplied. 6 months, -20 to -70℃ under sterile conditions after reconstitution. 1 month, 2 to 8℃ under sterile conditions after reconstitution.
Shipping:	The product is shipped at 4℃. 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:	49 kDa

Research Use Only

Confirmed Reactivity: *Arabidopsis thaliana*

Predicted Reactivity: Among species analyzed, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in *Brassica rapa*, *Brassica napus.*

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

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