Anti-Protein TIC55, chloroplastic antibody

Catalog: PHY1371A

Product Information

Description:	Rabbit polyclonal antibody
Background:	The Tic55 (Translocon at the inner envelope membrane of chloroplasts, 55 kDa) protein was identified in pea as a putative regulator, possibly linking chloroplast protein import to the redox state of the photosynthetic machinery. Two Tic55 homologs have been proposed to exist in Arabidopsis: atTic55-II (AT2G24820) and AtPTC52 (AT4G25650) (Protochlorophyllide-dependent Translocon Component, 52 kDa; has also been called atTic55-IV).
Synonyms:	TIC55, ATTIC55, TIC55-II, TRANSLOCON AT THE INNER ENVELOPE MEMBRANE OF CHLOROPLASTS 55, TRANSLOCON AT THE INNER ENVELOPE MEMBRANE OF CHLOROPLASTS 55-II.
Immunogen:	KLH-conjugated synthetic peptide (16 aa from Central section) derived from *Arabidopsis thaliana* TIC55 (AT2G24820).
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:	61 kDa

Predicted Reactivity: Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Brassica napus, Brassica rapa*, and 80-99% homologues with the sequence in *Glycine max*, *Medicago truncatula*, *Panicum virgatum*, *Triticum aestivum*, *Hordeum vulgare*, *Oryza sativa*, *Sorghum bicolor*, *Zea mays*, *Nicotiana tabacum*, *Solanum lycopersicum*, *Solanum tuberosum*, *Vitis vinifera*, *Setaria viridis*, *Gossypium raimondii*, *Populus trichocarpa*, *Spinacia oleracea*, *Cucumis sativus*.
For more species homologues information, please contact tech support at tech@phytoab.com.