Anti-Protein TIC55, chloroplastic antibody

Catalog: PHY1371S

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:	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℃ 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.