Anti-Sec-independent protein translocase protein TATA, chloroplastic, C-terminal antibody

Catalog: PHY1394A

Product Information

Description:	Rabbit polyclonal antibody
Background:	THA4 has similar structures with Hcf106. Three components of the thylakoidal Tat machinery have been identified which are addressed as THA4 (AT5G28750), HCF106 (AT5G52440), and TatC (AT2G01110). They are all encoded in the nucleus and synthesised in the cytosol as precursor polypeptides with N-terminal transit peptides for transport into the chloroplast.
Synonyms:	THA4, TatA, THYLAKOID ASSEMBLY 4, TWIN-ARGININE TRANSLOCATION A, TATA
Immunogen:	KLH-conjugated synthetic peptide (15 aa from C terminal section) derived from *Arabidopsis thaliana* THA4 (AT5G28750).
Form:	Lyophilized
Quantity:	150 μg
Purification:	Immunogen affinity purified
Reconstitution:	Reconstitution with 150 μl of sterile 1×PBS (PH=7.4). "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.

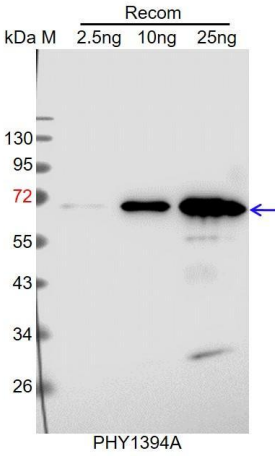
Application Information

Recommended Dilution:	Western Blot (1:100-1:500) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	16 kDa

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

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

Application Example



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Recom: 2.5 ng, 10 ng and 25 ng recombinant protein containing the peptide for immunization and having a molecular mass of 70 kDa.

Electrophoresis: 12% SDS-PAGE

Transfer: blotting to NC (nitrocellulose) membrane for 1 h.

Blocking: 5% skim milk at RT or 4℃ for 1 h.

Primary antibody: 1:1000 dilution overnight at 4℃.

Secondary antibody: 1:10000 dilution using Goat Anti-Rabbit IgG H&L (HRP) (Cat# PHY6000).

Detection: using chemiluminescence substrate and image were captured with CCD camera.