

Anti-Thiamine thiazole synthase, chloroplastic antibody

Catalog: PHY1022S

Product Information

Description:	Rabbit polyclonal antibody
Background:	THI1 is involved in biosynthesis of the thiamine precursor thiazole portion of thiamine (vitamin B1). May have additional roles in adaptation to various stress conditions and in DNA damage tolerance.
Synonyms:	THI1, THI4, THIAMINE4, THIAZOLE REQUIRING, TZ
Immunogen:	KLH-conjugated synthetic peptide (14 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> THI1 (AT5G54770).
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°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:	37 kDa
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 <i>Brassica</i>

Research Use Only

rapa, *Brassica napus*, *Triticum aestivum*, *Cucumis sativus*, *Nicotiana tabacum*, *Spinacia oleracea*, *Solanum tuberosum*, *Gossypium raimondii*, *Zea mays*, *Oryza sativa*, *Vitis vinifera*, *Sorghum bicolor*, *Solanum lycopersicum*, *Panicum virgatum*, *Hordeum vulgare subsp. vulgare*, *Setaria viridis*, *Glycine max*, *Populus trichocarpa*, *Medicago truncatula*, and 80-99% homologues with the sequence in *Physcomitrium patens*.

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