Anti-Alpha, alpha-trehalose-phosphate synthase [UDP-forming] 5 antibody

Catalog: PHY0960S

Product Information

Description:	Rabbit polyclonal antibody
Background:	TPS5 is an enzyme putatively involved in trehalose biosynthesis. The protein has a trehalose synthase (TPS)-like domain that may or may not be active as well as a trehalose phosphatase (TPP)-like domain. Phosphorylated TPS5 extracted from Arabidopsis cells binds directly to 14-3-3 isoforms.
Synonyms:	TPS5, TREHALOSE -6-PHOSPHATASE SYNTHASE S5, TREHALOSE PHOSPHATASE/SYNTHASE 5
Immunogen:	KLH-conjugated synthetic peptide (15 aa from C terminal section) derived from *Arabidopsis thaliana* TPS5 (AT4G17770).
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:	97 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 *Brassica napus, Brassica rapa, Medicago truncatula, Populus trichocarpa*, and 80-99% homologues with the sequence in *Hordeum vulgare, Gossypium raimondii, Triticum aestivum, Oryza sativa, Spinacia oleracea, Cucumis sativus, Solanum tuberosum, Solanum lycopersicum, Glycine max, Vitis vinifera, Setaria viridis, Zea mays, Panicum virgatum, Sorghum bicolor*.

The sequence of the synthetic peptide used for immunization is 93% homologues with the sequence in ATTPS6 (AT1G68020), and 86% homologues with the sequence in ATTPS7 (AT1G06410), 80% homologues with the sequence in ATTPS11 (AT2G18700).

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