

Anti-UGP1/2 antibody

Catalog: PHY2522A

Product Information

Description:	Rabbit polyclonal antibody
Background:	UDP-glucose pyrophosphorylase (UGPase) is an ubiquitous enzyme found in plants, animals and bacteria, and produces UDP-glucose which is the major glycosyl donor for polysaccharides in all organisms (e.g. needed for sucrose synthesis, but also for cellulose and callose formation, and as a precursor to other nucleotide-sugars).
Synonyms:	UGP1, UGP2, UDP-GLUCOSE PYROPHOSPHORYLASE, ATUGP1, ATUGP2, UGPase
Immunogen:	KLH-conjugated synthetic peptide (18 aa from Central section) derived from <i>Arabidopsis thaliana</i> UGP1 (AT3G03250) and UGP2 (AT5G17310).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Immunogen affinity purified
Reconstitution:	Reconstitution with 150 µl of sterile 1XPBS (PH=7.4) containing 30% glycerol. "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:	52 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in

Research Use Only

Brassica napus, Brassica rapa, Panicum virgatum, Zea mays, Gossypium raimondii, Solanum tuberosum, Solanum lycopersicum, Sorghum bicolor, Nicotiana tabacum, Cucumis sativus, Physcomitrium patens, Triticum aestivum, Glycine max, Oryza sativa, Vitis vinifera.

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