Anti-UDP-glucuronate:xylan alpha-glucuronosyltransferase 1 antibody

Catalog: PHY3481S

Product Information

Description:	Rabbit polyclonal antibody
Background:	PGSIP1 is a glucuronyltransferase responsible for the addition of GlcA residues onto xylan and for secondary wall deposition. Plants expressing an RNAi construct specifically targeting PGSIP1 was shown to have a dramatically reduced amount of starch.
Synonyms:	PGSIP1, GLUCURONIC ACID SUBSTITUTION OF XYLAN 1, GUX1, PLANT GLYCOGENIN-LIKE STARCH INITIATION PROTEIN 1
Immunogen:	KLH-conjugated synthetic peptide (15 aa from Central section) derived from *Arabidopsis thaliana* PGSIP1 (AT3G18660).
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:	76 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 Solanum tuberosum, *Brassica napus*, *Brassica rapa*, *Nicotiana tabacum*, *Spinacia oleracea*, *Gossypium raimondii*, *Glycine max*, *Vitis vinifera*, *Populus trichocarpa*, *Solanum lycopersicum*, *Cucumis sativus*, and 80-99% homologues with the sequence in *Zea mays*, *Oryza sativa*, *Sorghum bicolor*, *Setaria viridis*.

For homologues with other species especially algae, please contact tech support at tech@phytoab.com.