

Anti-GBSS1 antibody

Catalog: PHY1258S

Product Information

Description:	Rabbit polyclonal antibody
Background:	GBSS1 is a chloroplastic/amyloplastic granule-bound starch synthase I. It catalyzes the synthesis of amylose. It is exclusively bound to starch granules and its activity is required for amylose production. Mutation results in amylose-free starch.
Synonyms:	GBSS1, granule bound starch synthase 1
Immunogen:	KLH-conjugated synthetic peptide (13 aa from central section) derived from <i>Arabidopsis thaliana</i> GBSS1 (AT1G32900).
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:	67 kDa
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

napus, *Brassica rapa*, *Vitis vinifera*, *Gossypium raimondii*, and 92% homologues with the sequence in *Populus trichocarpa*, *Zea mays*, *Nicotiana tabacum*, *Glycine max*, *Solanum tuberosum*, *Triticum aestivum*, *Physcomitrium patens*, *Medicago truncatula*, *Cucumis sativus*, *Oryza sativa*, *Spinacia oleracea*, *Panicum virgatum*.

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