

Anti-Triacylglycerol lipase SDP1 antibody

Catalog: PHY1435A

Product Information

Description:	Rabbit polyclonal antibody
Background:	Triacylglycerol lipase SDP1 involved in the release of fatty acids from the oil body in germinating seedlings. It could hydrolyze triacylglycerols and diacylglycerols but not monoacylglycerols, phospholipids, galactolipids or cholesterol esters.
Synonyms:	SDP1, SUGAR-DEPENDENT1
Immunogen:	KLH-conjugated synthetic peptide (16 aa from N terminal section) derived from <i>Arabidopsis thaliana</i> SDP1 (AT5G04040).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Immunogen affinity purified
Reconstitution:	Reconstitution with 150 µl of 0.01 M sterile PBS. "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

Applications Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	92 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologous with the sequence in <i>Vitis vinifera</i> , <i>Solanum tuberosum</i> , <i>Solanum lycopersicum</i> , <i>Glycine max</i> , <i>Nicotiana tabacum</i> , <i>Cucumis sativus</i> , <i>Spinacia oleracea</i> , and 80-99%

Research Use Only

homologues with the sequence in *Populus trichocarpa*, *Medicago truncatula*, *Oryza sativa*, *Hordeum vulgare*, *Triticum aestivum*, *Panicum virgatum*, *Setaria viridis*, *Zea mays*, *Brassica napus*, *Brassica rapa*, *Sorghum bicolor*, *Gossypium raimondii*.

The sequence of the synthetic peptide used for immunization is 81% (13/16) homologues with the sequence in SDP1-LIKE (AT3G57140). For more species homologues information, please contact tech support at tech@phytoab.com.