

Anti-Diacylglycerol O-acyltransferase 1, C-terminal antibody

Catalog: PHY0910S

Product Information

Description:	Rabbit polyclonal antibody
Background:	Acyl-CoA:diacylglycerol acyltransferase (DGAT) catalyzes the final step of the triacylglycerol synthesis pathway. TAG1 mutant results in altered lipid phenotype. In fact, three gene families encoding DGAT-like proteins have been identified, specifically the gene family encoding DGAT1, which has high sequence similarity with sterol acyltransferase, the gene family encoding DGAT2 (AT3G51520), which has no sequence similarity with DGAT1, and the gene family encoding phospholipid: DAG acyltransferase.
Synonyms:	DGAT1, ABX45, AS11, ATDGAT, ATDGAT1, RDS1, TAG1, ACYL-COA:DIACYLGLYCEROL ACYLTRANSFERASE 1, ARABIDOPSIS THALIANA ACYL-COA:DIACYLGLYCEROL ACYLTRANSFERASE, TRIACYLGLYCEROL BIOSYNTHESIS DEFECT 1.
Immunogen:	KLH-conjugated synthetic peptide (17 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> DGAT1 (AT2G19450).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Serum
Reconstitution:	Peptide affinity form antibody available upon request at info@phytoab.com . Reconstitution with 150µl 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

Research Use Only

Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	59 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 <i>Brassica napus</i> , <i>Brassica rapa</i> , and 80-99% homologues with the sequence in <i>Gossypium raimondii</i> , <i>Medicago truncatula</i> , <i>Glycine max</i> , <i>Populus trichocarpa</i> , <i>Solanum tuberosum</i> , <i>Solanum lycopersicum</i> . For more species homologues information, please contact tech support at tech@phytoab.com .