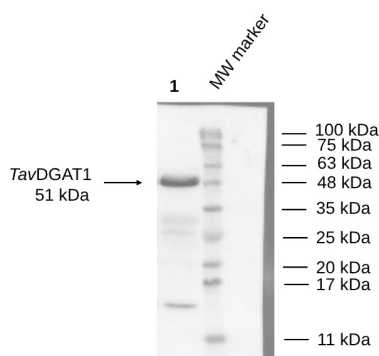


Product no **AS23 4989****Anti-DGAT1 | O-acyltransferase****Product information**

Immunogen	KLH-conjugated peptide derived from <i>Arabidopsis thaliana</i> DGAT1 protein, UniProt: Q9SLD2 , GeneID: AT2G19450
Host	Rabbit
Clonality	Polyclonal
Purity	Immunogen affinity purified serum, in PBS pH 7.4
Format	Lyophilized
Quantity	50 µg
Reconstitution	For reconstitution, add 50 µl, of sterile or deionized water.
Storage	Store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes.

Application information

Recommended dilution	1 : 1000 - 1 : 5000 (WB)
Expected apparent MW	58 kDa
Confirmed reactivity	<i>Thlaspi arvense</i>
Predicted reactivity	<i>Arabidopsis thaliana</i> , <i>Arachis hypogaea</i> , <i>Brachypodium distachyon</i> , <i>Brassica napus</i> , <i>Capsicum annuum</i> , <i>Cannabis sativa</i> , <i>Citrus sp.</i> , <i>Cucumis sativus</i> , <i>Glycine max</i> , <i>Hordeum vulgare</i> , <i>Malus domestica</i> , <i>Manihot esculenta</i> , <i>Nicotiana tabacum</i> , <i>Oryza sativa</i> , <i>Pisum sativum</i> , <i>Populus sp.</i> , <i>Solanum lycopersicum</i> , <i>Solanum tuberosum</i> , <i>Sorghum bicolor</i> , <i>Thlaspi arvense</i> , <i>Triticum sp.</i> , <i>Vitis vinifera</i> , <i>Zea mays</i>
	Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Additional information	Experiments with CRISPR mutant were conducted. Data not presented.
Selected references	To be added when available. Antibody released in September 2026.



25 µg/well of total protein was extracted freshly from pennycress (*Thlaspi arvense*) seeds using the following extraction buffer: 0.1 M Tris-HCl, pH 7.5 containing: 20% glycerol; 1mM EDTA; 10 mM MgCl₂; 14 mM B-Mercaptoethanol; Pefabloc 100 µg/mL; 1 µg/ml leupeptin; 1 µg/ml antipain and denatured with (x4) Tris-HCl (pH 6.8), SDS 8%, Glycerol 10%; Bromophenol blue 0.08 %; DTT 80 mM at 95°C/5 10 min. Samples were separated in the cold on 12.5 % SDS-PAGE containing 4M urea, and blotted for 1 h to PVDF membrane, using wet transfer in the cold. Blot was blocked with 5 % milk for: 1h/RT with agitation. Blot was incubated in the primary antibody at a dilution of 1:500 for 1h/RT with agitation in TBS-T. The antibody solution was decanted and the blot was rinsed briefly twice, then washed 3 times for 5 min in TBS-T at RT with agitation. Blot was incubated in matching secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated) diluted to 1: 25 000 in for 1h/RT with agitation. The blot was washed as above and developed with a following chemiluminescent detection reagent: Supersignal west-femto (Thermo Fischer Scientific). Exposure time was 25-35 seconds.

Note: to decrease background use protein load/well of 5-10 µg/well and primary antibody at 1: 2500 1h/RT incubation.



This product is **for research use only** (not for diagnostic or therapeutic use)

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