

Product datasheet for **TA343309**

DGAT1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-Dgat1 antibody is: synthetic peptide directed towards the N-terminal region of Mouse Dgat1. Synthetic peptide located within the following region: HRLQDSLFSDDSGFSNYRGILNWCVVMLILSNARLFLENLIKYGILVDPI
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	57 kDa
Gene Name:	diacylglycerol O-acyltransferase 1
Database Link:	NP_036211 Entrez Gene 13350 Mouse O75907
Background:	Dgat1 catalyzes the terminal and only committed step in triacylglycerol synthesis by using diacylglycerol and fatty acyl CoA as substrates. In contrast to DGAT2 it is not essential for survival. It may be involved in VLDL (very low density lipoprotein) assembly. In liver, Dgat1 plays a role in esterifying exogenous fatty acids to glycerol. It functions as the major acyl-CoA retinol acyltransferase (ARAT) in the skin, where it acts to maintain retinoid homeostasis and prevent retinoid toxicity leading to skin and hair disorders.
Synonyms:	ARAT; ARGP1; DGAT; DIAR7



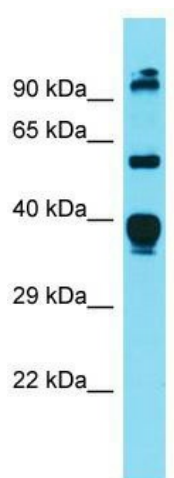
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Note: Immunogen Sequence Homology: Pig: 100%; Rat: 100%; Goat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Sheep: 100%; Bovine: 100%; Rabbit: 100%; Dog: 93%; Guinea pig: 93%; Zebrafish: 86%

Protein Families: Transmembrane

Protein Pathways: Glycerolipid metabolism, Metabolic pathways, Retinol metabolism

Product images:



Host: Rabbit; Target Name: Dgat1; Sample Tissue: Mouse Heart lysates; Antibody Dilution: 1.0 ug/ml