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DGAT2L3 Polyclonal Antibody

Catalog # AP69512

Product Information

Application	WB, E
Primary Accession	Q58HT5
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37759

Additional Information

Gene ID	158833
Other Names	AWAT1; DGA2; DGAT2L3; Acyl-CoA wax alcohol acyltransferase 1; Diacylglycerol O-acyltransferase 2-like protein 3; Diacylglycerol acyltransferase 2; Long-chain-alcohol O-fatty-acyltransferase 1
Dilution	WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications. E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

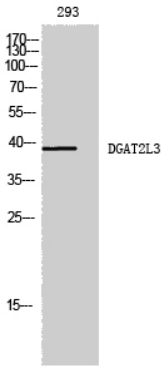
Protein Information

Name	AWAT1
Synonyms	DGA2, DGAT2L3
Function	Acyltransferase that catalyzes the formation of ester bonds between fatty alcohols and fatty acyl-CoAs to form wax monoesters (PubMed:15671038). Shows a strong preference for decyl alcohol (C10), with less activity towards C16 and C18 alcohols (PubMed:15671038). Shows a strong preference for saturated acyl-CoAs (PubMed:15671038).
Cellular Location	Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q6E213}; Multi-pass membrane protein
Tissue Location	Predominantly expressed in skin, where it is limited to the sebaceous gland. Expressed in more mature, centrally located cells just before their rupture and sebum release. Also expressed in all tissues except spleen. Expressed at higher level in thymus, prostate and testis.

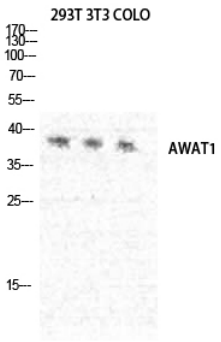
Background

Acyltransferase that predominantly esterify long chain (wax) alcohols with acyl-CoA-derived fatty acids to produce wax esters. Wax esters are enriched in sebum, suggesting that it plays a central role in lipid metabolism in skin. Has a preference for arachidyl alcohol as well as decyl alcohol, demonstrating its relatively poor activity using saturated long chain alcohols (C16, C18, and C20).

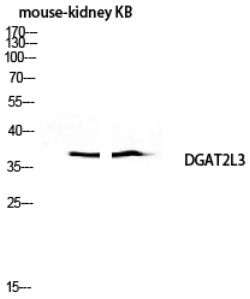
Images



Western Blot analysis of 293 cells using DGAT2L3 Polyclonal Antibody diluted at 1：1000



Western Blot analysis of 293T NIH-3T3 COLO cells using DGAT2L3 Polyclonal Antibody diluted at 1：1000



Western blot analysis of mouse-kidney KB lysis using DGAT2L3 antibody. Antibody was diluted at 1:1000

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