10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

DGAT2L3 Polyclonal Antibody
Catalog # AP69512

Specification

DGAT2L3 Polyclonal Antibody - Product Information

Application	**WB**
Primary Accession	Q58HT5
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**

DGAT2L3 Polyclonal Antibody - 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.

Format
Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions
-20℃

DGAT2L3 Polyclonal Antibody - 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

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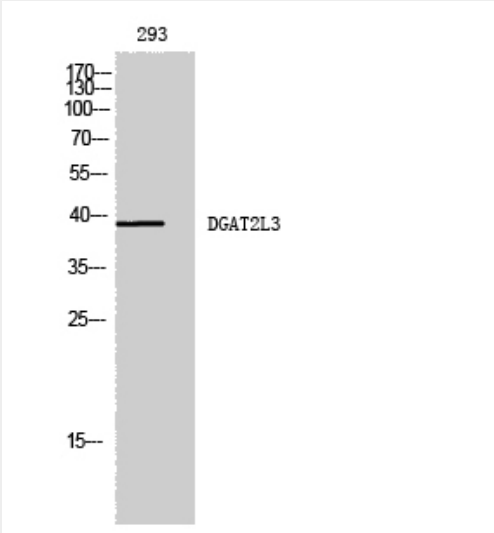
Predominantly expressed in skin, where it is limited to the sebaceous gland. Expressed in more mature, centrally located cells just before their rupture and sebum release. Also expressed in all tissues except spleen. Expressed at higher level in thymus, prostate and testis.

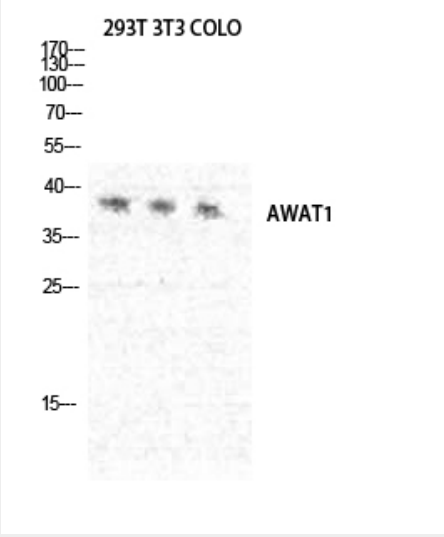
DGAT2L3 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

DGAT2L3 Polyclonal Antibody - Images





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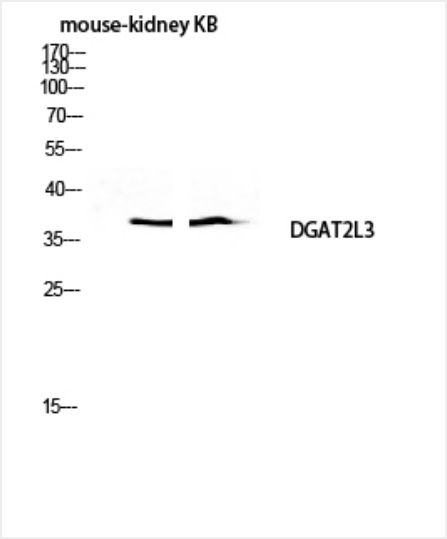

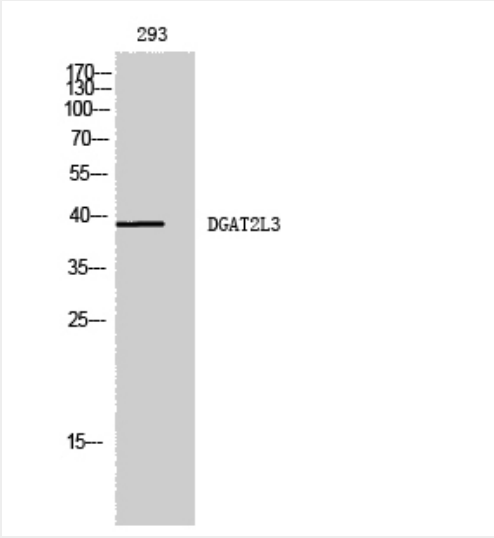

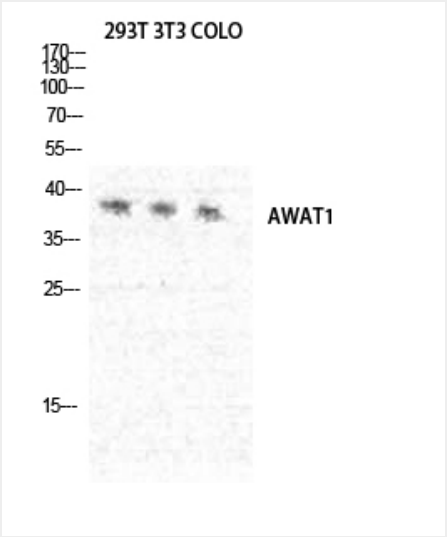

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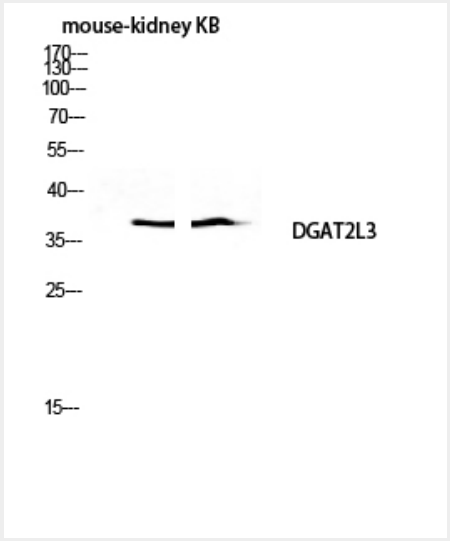

DGAT2L3 Polyclonal Antibody - Background

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).