10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

AWAT1 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI12468

Product Information

Application	WB
Primary Accession	Q58HT5
Other Accession	NM_001013579, NP_001013597
Reactivity	Human, Mouse, Rat, Rabbit, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Dog, Guinea Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37759

Additional Information

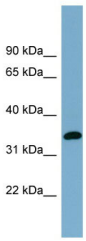
Gene ID	158833
Alias Symbol	AWAT1, DGA2, DGAT2L3
Other Names	Acyl-CoA wax alcohol acyltransferase 1, 2.3.1.75, Diacylglycerol O-acyltransferase 2-like protein 3, Diacylglycerol acyltransferase 2, Long-chain-alcohol O-fatty-acyltransferase 1, AWAT1, DGA2, DGAT2L3
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-AWAT1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	AWAT1 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

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.

Images



WB Suggested Anti-AWAT1 Antibody Titration: 0.2-1 µg/ml
Positive Control: Human Stomach