

SOAT1 antibody - middle region

Rabbit Polyclonal Antibody Catalog # AI12576

Product Information

VB
<u>235610</u>
<u>VM_003101, NP_003092</u>
luman, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
luman, Mouse, Rat, Chicken, Dog, Guinea Pig, Horse, Bovine
Rabbit
Polyclonal
54735

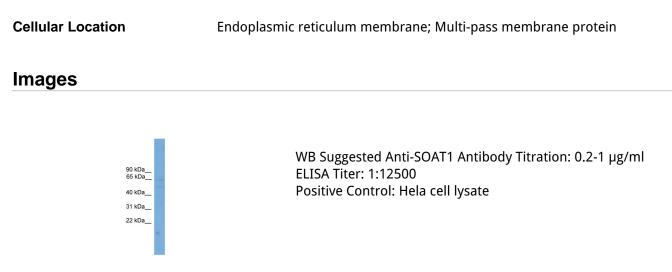
Additional Information

Gene ID	6646
Alias Symbol Other Names	ACACT, ACAT, ACAT1, RP11-215I23.2, SOAT, STAT Sterol O-acyltransferase 1, 2.3.1.26, Acyl-coenzyme A:cholesterol acyltransferase 1, ACAT-1, Cholesterol acyltransferase 1, SOAT1, ACACT, ACACT1, ACAT, ACAT1, SOAT, STAT
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-SOAT1 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	SOAT1 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SOAT1 (<u>HGNC:11177</u>)
Function	Catalyzes the formation of fatty acid-cholesterol esters, which are less soluble in membranes than cholesterol (PubMed: <u>16154994</u> , PubMed: <u>16647063</u> , PubMed: <u>32433613</u> , PubMed: <u>32433614</u> , PubMed: <u>32944968</u> , PubMed: <u>9020103</u>). Plays a role in lipoprotein assembly and dietary cholesterol absorption (PubMed: <u>16154994</u> , PubMed: <u>9020103</u>). Preferentially utilizes oleoyl-CoA ((9Z)-octadecenoyl-CoA) as a substrate: shows a higher activity towards an acyl-CoA substrate with a double bond at the delta-9 position (9Z) than towards saturated acyl- CoA or an unsaturated acyl-CoA with a double bond at the delta-7 (7Z) or delta-11 (11Z) positions

(PubMed:<u>11294643</u>, PubMed:<u>32433614</u>).



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.