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

SOAT1 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI12576

Specification

SOAT1 antibody - middle region - Product Information

Application	**WB**
Primary Accession	P35610
Other Accession	NM_003101, NP_003092
Reactivity	**Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog**
Predicted	**Human, Mouse, Rat, Chicken, Horse, Bovine, Guinea Pig, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**65kDa KDa**

SOAT1 antibody - middle region - Additional Information

Gene ID 6646

Alias Symbol	**ACACT, ACAT, ACAT1, RP11-215I23.2, SOAT, STAT**

Other Names
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.

SOAT1 antibody - middle region - Protein Information

Name SOAT1 (HGNC:11177)

Function
Catalyzes the formation of fatty acid-cholesterol esters, which are less soluble in membranes than cholesterol (PubMed:16154994, PubMed:16647063, PubMed:9020103, PubMed:<a href="http://www.uniprot.org/citations/32433614"

target="_blank">32433614, PubMed:32433613, PubMed:32944968). Plays a role in lipoprotein assembly and dietary cholesterol absorption (PubMed:16154994, PubMed:9020103). Utilizes oleoyl-CoA ((9Z)-octadecenoyl-CoA) preferentially as susbstrate: 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:11294643, PubMed:32433614).

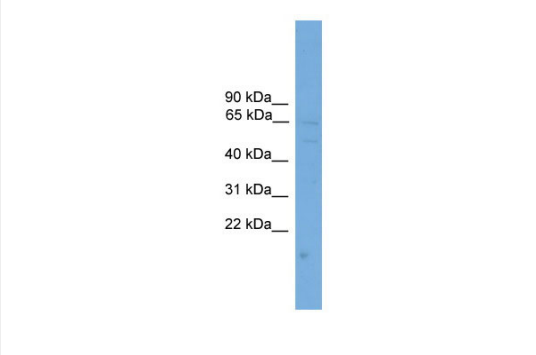
Cellular Location
Endoplasmic reticulum membrane; Multi-pass membrane protein

SOAT1 antibody - middle region - 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

SOAT1 antibody - middle region - Images



WB Suggested Anti-SOAT1 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:12500
Positive Control: Hela cell lysate