

# SOAT1 antibody - middle region

Rabbit Polyclonal Antibody

Catalog # AI12576

## Product Information

---

<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">P35610</a>
<b>Other Accession</b>	<a href="#">NM_003101</a> , <a href="#">NP_003092</a>
<b>Reactivity</b>	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
<b>Predicted</b>	Human, Mouse, Rat, Chicken, Dog, Guinea Pig, Horse, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	64735

## Additional Information

---

<b>Gene ID</b>	6646
<b>Alias Symbol</b>	ACACT, ACAT, ACAT1, RP11-215I23.2, SOAT, STAT
<b>Other Names</b>	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
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	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.
<b>Precautions</b>	SOAT1 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

---

<b>Name</b>	SOAT1 ( <a href="#">HGNC:11177</a> )
<b>Function</b>	Catalyzes the formation of fatty acid-cholesterol esters, which are less soluble in membranes than cholesterol (PubMed: <a href="#">16154994</a> , PubMed: <a href="#">16647063</a> , PubMed: <a href="#">32433613</a> , PubMed: <a href="#">32433614</a> , PubMed: <a href="#">32944968</a> , PubMed: <a href="#">9020103</a> ). Plays a role in lipoprotein assembly and dietary cholesterol absorption (PubMed: <a href="#">16154994</a> , PubMed: <a href="#">9020103</a> ). 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:[11294643](#), PubMed:[32433614](#)).

## Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein

## Images

---



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

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