

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:32433613, PubMed:32433614)

target="_blank">32433614, PubMed:32944968, PubMed:9020103). Plays a role in lipoprotein assembly and dietary cholesterol absorption (PubMed:16154994, PubMed:9020103). 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

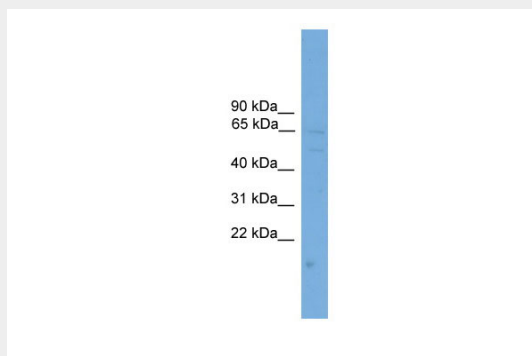
Endoplasmic reticulum membrane; Multi-pass membrane protein

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 Cytometry](#)
- [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