



Rabbit Anti-SOAT1 antibody

SL7544R

Product Name:	SOAT1
Chinese Name:	胆固醇酰基转移酶1抗体
Alias:	ACAT; ACAT-1; ACAT1; Acyl coenzyme A cholesterol acyltransferase 1; Acyl-coenzyme A:cholesterol acyltransferase 1; Cholesterol acyltransferase 1; SOAT; SOAT1; SOAT 1; SOAT1_HUMAN; STAT; Sterol O acyltransferase 1; Sterol O-acyltransferase 1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	61kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SOAT1/ACAT1:51-150/550
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Catalyzes the formation of fatty acid-cholesterol esters. Plays a role in lipoprotein assembly and dietary cholesterol absorption. In addition to its acyltransferase activity, it may act as a ligase. Function:

Catalyzes the formation of fatty acid-cholesterol esters. Plays a role in lipoprotein assembly and dietary cholesterol absorption. In addition to its acyltransferase activity, it may act as a ligase.

Subunit:

May form homo- or heterodimers.

Subcellular Location:

Endoplasmic reticulum membrane; Multi-pass membrane protein.

Similarity:

Belongs to the membrane-bound acyltransferase family. Sterol o-acyltransferase subfamily.

SWISS:

P35610

Gene ID:

6646

Database links:

[Entrez Gene: 6646](#)Human

[Entrez Gene: 20652](#)Mouse

[Entrez Gene: 81782](#)Rat

[Omim: 102642](#)Human

[SwissProt: P35610](#)Human

[SwissProt: Q5T0X4](#)Human

[SwissProt: Q61263](#)Mouse

[SwissProt: O70536](#)Rat

[Unigene: 496383](#)Human

[Unigene: 28099](#)Mouse

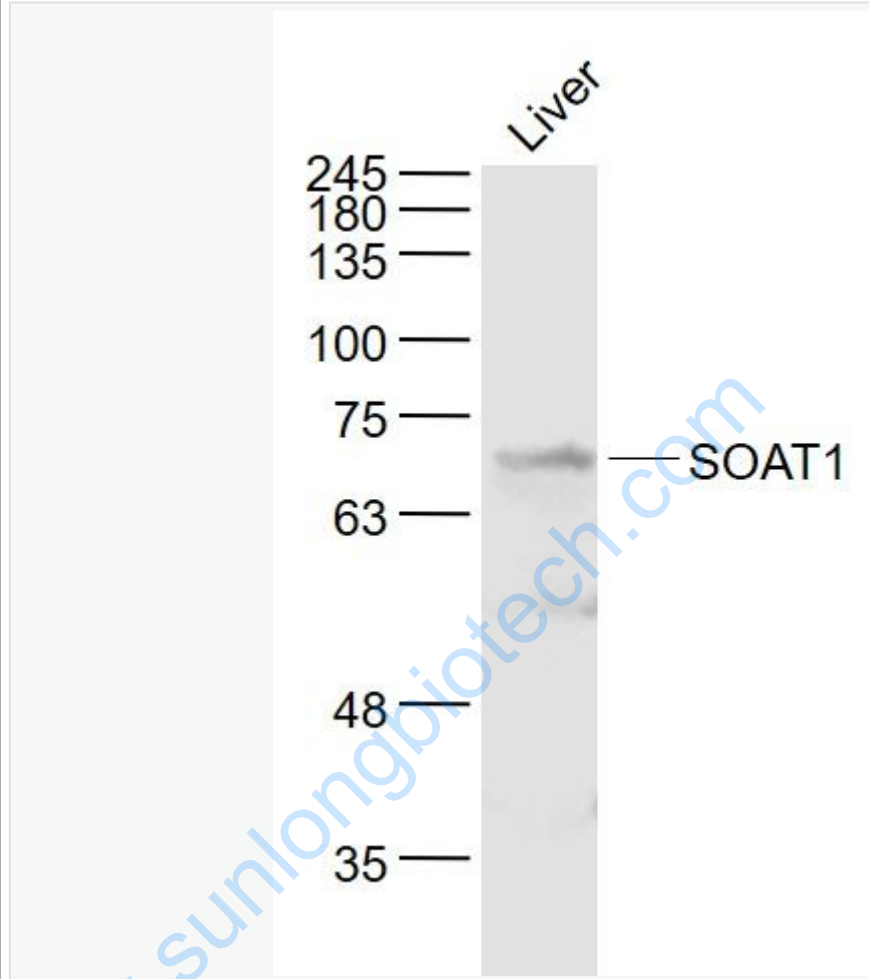
[Unigene: 59](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

Picture:



Sample:

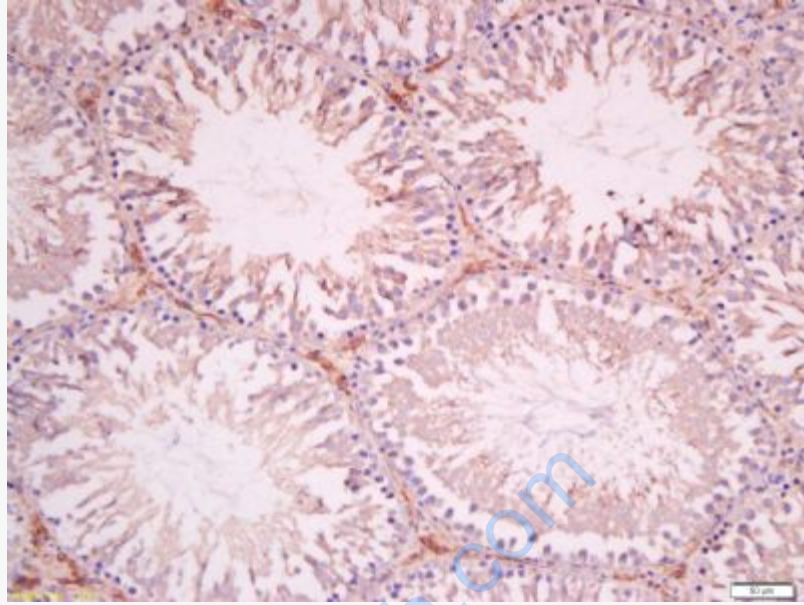
Liver (Mouse) Lysate at 40 ug

Primary: Anti- SOAT1 (SL7544R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 61 kD

Observed band size: 65 kD



Tissue/cell: rat testis tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-SOAT1 Polyclonal Antibody, Unconjugated(SL7544R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining