

## ARG56476 anti-SOAT1 antibody

Package: 125 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes SOAT1
Tested Reactivity	Hu, Ms, Rat, Pig
Tested Application	ICC/IF, IHC-Fr, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	SOAT1
Species	Human
Immunogen	Synthetic peptide around the N-terminus of Human SOAT 1.
Conjugation	Un-conjugated
Alternate Names	STAT; ACACT; Cholesterol acyltransferase 1; Sterol O-acyltransferase 1; ACAT-1; ACAT1; ACAT; SOAT; Acyl-coenzyme A:cholesterol acyltransferase 1; EC 2.3.1.26

### Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IHC-Fr	1:50 - 1:200
	IHC-P	1:200
	WB	1:200

**Application Note** IHC-P: Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0).  
\* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	TBS (pH 7.4), 0.02% Sodium azide, 50% Glycerol and 0.1% BSA.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol and 0.1% BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

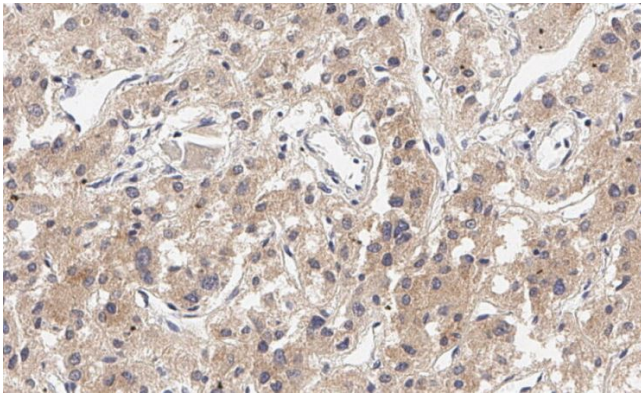
Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

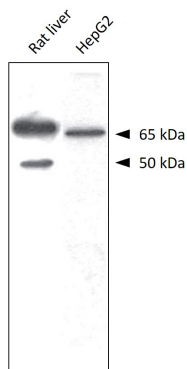
Gene Symbol	SOAT1
Gene Full Name	sterol O-acyltransferase 1
Background	The protein encoded by this gene belongs to the acyltransferase family. It is located in the endoplasmic reticulum, and catalyzes the formation of fatty acid-cholesterol esters. This gene has been implicated in the formation of beta-amyloid and atherosclerotic plaques by controlling the equilibrium between free cholesterol and cytoplasmic cholesteryl esters. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Nov 2011]
Function	Catalyzes the formation of fatty acid-cholesterol esters, which are less soluble in membranes than cholesterol. Plays a role in lipoprotein assembly and dietary cholesterol absorption. In addition to its acyltransferase activity, it may act as a ligase. [UniProt]
Highlight	Related products: <a href="#">Anti-Rabbit IgG secondary antibodies;</a> Related news: <a href="#">Cholesterol, the weakness of anaplastic large cell lymphoma (ALCL)</a>
Calculated Mw	65 kDa

## Images



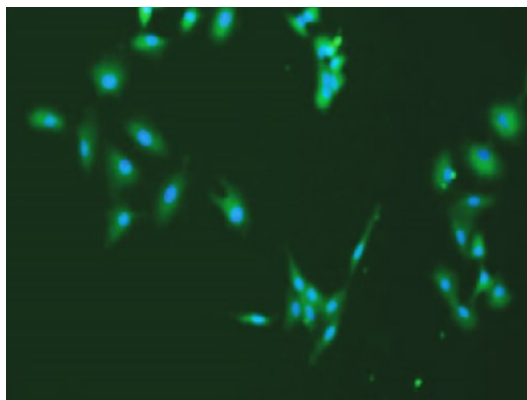
ARG56476 anti-SOAT1 antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human adrenal tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0). Tissue section was stained with ARG56476 anti-SOAT1 antibody at 1:200 dilution.



ARG56476 anti-SOAT1 antibody WB image

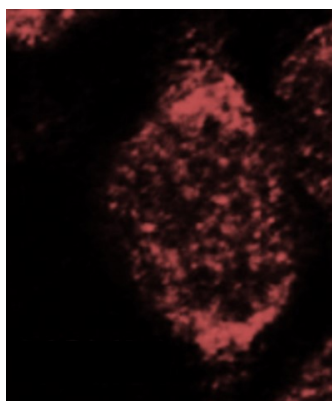
Western blot: 30 µg of Rat liver and HepG2 cell lysates stained with ARG56476 anti-SOAT1 antibody.



ARG56476 anti-SOAT1 antibody ICC/IF image

Immunofluorescence: Paraformaldehyde fixed A549 cells stained with ARG56476 anti-SOAT1 antibody (green) at 1:200 dilution.

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ARG56476 anti-SOAT1 antibody ICC/IF image

Immunofluorescence: Paraformaldehyde fixed Mouse Macrophages stained with ARG56476 anti-SOAT1 antibody (red).

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