

ARG56476 anti-SOAT1 antibody

Package: 100 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.	

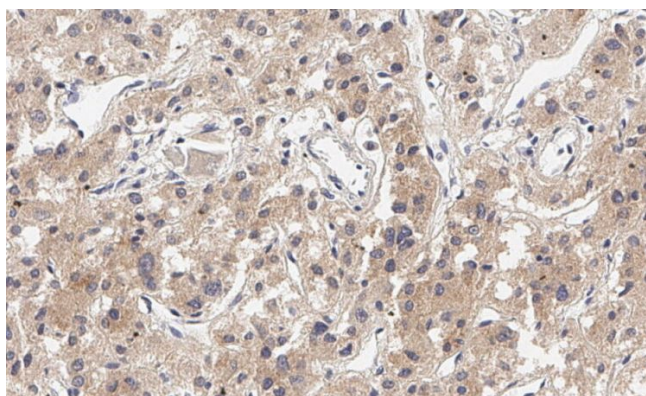
Properties

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.

Bioinformation

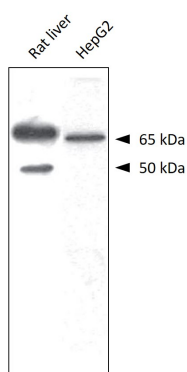
Gene Symbol	SOAT1
Gene Full Name	sterol O-acyltransferase 1
Background	The protein encoded by this gene belongs to the acyltransferase family. It is located in the endoplasmic reticulum, and catalyzes the formation of fatty acid-cholesterol esters. This gene has been implicated in the formation of beta-amyloid 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: Anti-Rabbit IgG secondary antibodies: Related news: Cholesterol, the weakness of anaplastic large cell lymphoma (ALCL)
Calculated Mw	65 kDa

Images



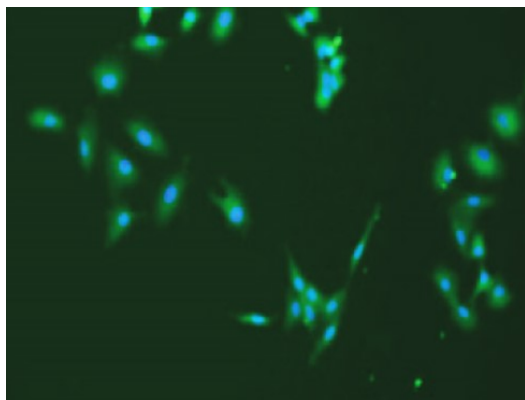
ARG56476 anti-SOAT1 antibody IHC-P image

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.



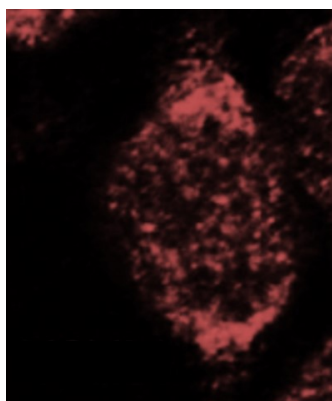
ARG56476 anti-SOAT1 antibody WB image

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.



ARG56476 anti-SOAT1 antibody ICC/IF image

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