

ARG57814 anti-SOAT2 / ACAT2 antibody

Package: 250 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes SOAT2 / ACAT2
Tested Reactivity	Hu, Ms, Rat, Pig, Sheep
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	SOAT2 / ACAT2
Species	Human
Immunogen	Synthetic peptide around the N-terminus of Human SOAT2 / ACAT2.
Conjugation	Un-conjugated
Alternate Names	Cholesterol acyltransferase 2; ACACT2; ACAT-2; Sterol O-acyltransferase 2; ACAT2; ARGP2; Acyl-coenzyme A:cholesterol acyltransferase 2; EC 2.3.1.26

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:200 - 1:500
	IHC-P	1:200 - 1:500
	WB	1:200

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

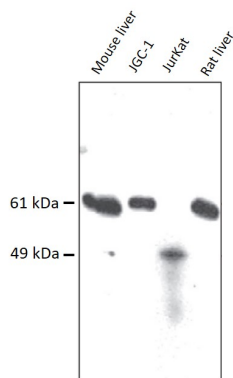
Properties

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	SOAT2
Gene Full Name	sterol O-acyltransferase 2
Background	Summary:This gene is a member of a small family of acyl coenzyme A:cholesterol acyltransferases. The gene encodes a membrane-bound enzyme localized in the endoplasmic reticulum that produces intracellular cholesterol esters from long-chain fatty acyl CoA and cholesterol. The cholesterol esters are then stored as cytoplasmic lipid droplets inside the cell. The enzyme is implicated in cholesterol absorption in the intestine and in the assembly and secretion of apolipoprotein B-containing lipoproteins such as very low density lipoprotein (VLDL). Several alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known. [provided by RefSeq, Jul 2008]
Function	Plays a role in lipoprotein assembly and dietary cholesterol absorption. In addition to its acyltransferase activity, it may act as a ligase. May provide cholesteryl esters for lipoprotein secretion from hepatocytes and intestinal mucosa. [UniProt]
Highlight	Related products: Anti-Rabbit IgG secondary antibodies: Related news: Cholesterol, the weakness of anaplastic large cell lymphoma (ALCL)
Calculated Mw	60 kDa

Images



ARG57814 anti-SOAT2 / ACAT2 antibody WB image

Western blot: 30 µg of Mouse liver, 30 µg of JGC-1, 30 µg of Jurkat and 60 µg of Rat liver lysates stained with ARG57814 anti-SOAT2 / ACAT2 antibody.