

SOAT2 rabbit monoclonal antibody

Catalog # H00008435-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human SOAT2 peptide using ARM Technology.
Immunogen	A synthetic peptide of human SOAT2 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human SOAT2 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — SOAT2

Entrez GeneID	8435
GeneBank Accession#	SOAT2
Gene Name	SOAT2
Gene Alias	ACACT2, ACAT2, ARGP2, MGC116732
Gene Description	sterol O-acyltransferase 2
Omim ID	601311
Gene Ontology	Hyperlink
Gene Summary	Summary:This gene is a member of a small family of acyl coenzyme A:cholesterol acyltransferase s. 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]
Other Designations	acyl Co-A: cholesterol acyltransferase 2 acyl coenzyme A:cholesterol acyltransferase 2 acyl-CoA: cholesterol acyltransferase 2

Pathway

- [Steroid biosynthesis](#)

Disease

- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)

- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)