

# SOAT1 rabbit monoclonal antibody

Catalog # H00006646-K      Size 100 ug x up to 3

## Specification

Product Description	Rabbit monoclonal antibody raised against a human SOAT1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human SOAT1 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 ( <a href="#">ARM Technology</a> ).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human SOAT1 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) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — SOAT1

Entrez GeneID	<a href="#">6646</a>
GeneBank Accession#	<a href="#">SOAT1</a>
Gene Name	SOAT1
Gene Alias	ACACT, ACAT, ACAT1, RP11-215I23.2, SOAT, STAT
Gene Description	sterol O-acyltransferase 1
Omim ID	<a href="#">102642</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	Acyl-coenzyme A:cholesterol acyltransferase (ACACT; EC 2.3.1.26) is an intracellular protein located in the endoplasmic reticulum that forms cholesterol esters from cholesterol. Accumulation of cholesterol esters as cytoplasmic lipid droplets within macrophages and smooth muscle cells is a characteristic feature of the early stages of atherosclerotic plaques (Cadigan et al., 1988 [PubMed 3335499]).[supplied by OMIM]
Other Designations	acyl-Coenzyme A: cholesterol acyltransferase sterol O-acyltransferase (acyl-Coenzyme A: cholesterol acyltransferase) 1

## Pathway

- [Steroid biosynthesis](#)

## Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Cognition Disorders](#)
- [Coronary Artery Disease](#)
- [Delirium](#)
- [Diabetes Mellitus](#)

- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hyperlipidemias](#)
- [Wechsler Scales](#)