



# SOAT1 Monoclonal Antibody

Catalog No	YP-mAb-06240
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB
Gene Name	SOAT1 ACACT ACACT1 ACAT ACAT1 SOAT STAT
Protein Name	Sterol O-acyltransferase 1 (EC 2.3.1.26) (Acyl-coenzyme A:cholesterol acyltransferase 1) (ACAT-1) (Cholesterol acyltransferase 1)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	SOAT1 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	60kD
Cell Pathway	Endoplasmic reticulum membrane ; Multi-pass membrane protein .
Tissue Specificity	Macrophage,Placenta,
Function	catalytic activity:Acyl-CoA + cholesterol = CoA + cholesterol ester.,disease:Accumulation of insoluble cholesterol esters in macrophages and smooth muscle is a characteristic feature of early lesions of atherosclerotic plaque.,function:Catalyzes the formation of fatty acid-cholesterol esters. Plays a role in lipoprotein assembly and dietary cholesterol absorption. In addition to its acyltransferase activity, it may act as a ligase.,induction:Highly activated by the presence of cholesterol.,similarity:Belongs to the membrane-bound acyltransferase family. Sterol o-acyltransferase subfamily.,subunit:May form homo- or heterodimers.,
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],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**