

ACAT1 Antibody
Rabbit mAb
Catalog # AP92959**Specification**

ACAT1 Antibody - Product Information

Application	WB, IHC, IP
Primary Accession	P24752
Reactivity	Rat
Clonality	Monoclonal
Other Names	
ACAT; acat1; MAT; RATAAL; THIL;	

Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	45200 Da

ACAT1 Antibody - Additional Information

Dilution	WB~~1:1000 IHC~~1:100~500 IP~~N/A
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human ACAT1
Description	Plays a major role in ketone body metabolism.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

ACAT1 Antibody - Protein Information**Name** ACAT1**Synonyms** ACAT, MAT**Function**

This is one of the enzymes that catalyzes the last step of the mitochondrial beta-oxidation pathway, an aerobic process breaking down fatty acids into acetyl-CoA (PubMed:1715688, PubMed:7728148, PubMed:9744475). Using free coenzyme A/CoA, catalyzes the thiolytic cleavage of medium- to long-chain 3-oxoacyl-CoAs into acetyl-CoA and a fatty acyl-CoA shortened by two carbon atoms (PubMed:1715688, PubMed:7728148, PubMed:9744475).

[9744475](http://www.uniprot.org/citations/9744475)). The activity of the enzyme is reversible and it can also catalyze the condensation of two acetyl-CoA molecules into acetoacetyl-CoA (PubMed: [17371050](http://www.uniprot.org/citations/17371050)). Thereby, it plays a major role in ketone body metabolism (PubMed: [1715688](http://www.uniprot.org/citations/1715688)), PubMed: [17371050](http://www.uniprot.org/citations/17371050), PubMed: [7728148](http://www.uniprot.org/citations/7728148), PubMed: [9744475](http://www.uniprot.org/citations/9744475)).

Cellular Location

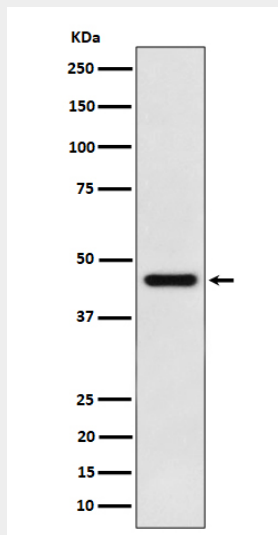
Mitochondrion.

ACAT1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ACAT1 Antibody - Images



Western blot analysis of ACAT1 expression in HepG2 cell lysate.