

**ACAT1 Rabbit mAb**  
Catalog # AP75025**Specification**

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**ACAT1 Rabbit mAb - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">P24752</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Monoclonal Antibody</b>
Calculated MW	<b>45200</b>

**ACAT1 Rabbit mAb - Additional Information****Gene ID** 38**Other Names**

ACAT1

**Dilution**

WB~~1/500-1/1000

**Format**

Liquid

**ACAT1 Rabbit mAb - 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](http://www.uniprot.org/citations/1715688), PubMed: [7728148](http://www.uniprot.org/citations/7728148), PubMed: [9744475](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/1715688), PubMed: [7728148](http://www.uniprot.org/citations/7728148), PubMed: [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 Rabbit mAb - 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 Rabbit mAb - Images

