

ACAT1 Rabbit mAb

Catalog # AP75025

Product Information

Application	WB, IP
Primary Accession	P24752
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	45200

Additional Information

Gene ID	38
Other Names	ACAT1
Dilution	WB~~1/500-1/1000 IP~~N/A
Format	Liquid

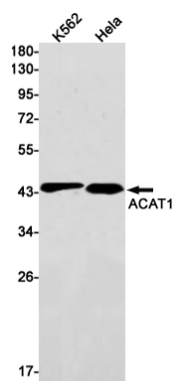
Protein Information

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

Cellular Location	Mitochondrion.
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Images



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