

Goat anti-ACAT1 (aa253-266), Biotinylated Antibody
Peptide-affinity purified goat antibody
Catalog # AF4406a**Specification**

Goat anti-ACAT1 (aa253-266), Biotinylated Antibody - Product Information

Application	WB, IF, Pep-ELISA
Primary Accession	P24752
Other Accession	NP_000010.1
Reactivity	Human, Mouse, Rat, Dog, Bovine
Host	Goat
Clonality	Polyclonal
Calculated MW	45200

Goat anti-ACAT1 (aa253-266), Biotinylated Antibody - Additional Information**Gene ID 38****Other Names**

ACAT1; acetyl-CoA acetyltransferase 1; ACAT; MAT; T2; THIL; acetoacetyl Coenzyme A thiolase; acetoacetyl-CoA thiolase; acetyl-Coenzyme A acetyltransferase 1; mitochondrial acetoacetyl-CoA thiolase

Dilution

WB~~1:1000
IF~~1:50~200
Pep-ELISA~~N/A

Format

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat anti-ACAT1 (aa253-266), Biotinylated Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat anti-ACAT1 (aa253-266), Biotinylated 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). 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.

Goat anti-ACAT1 (aa253-266), Biotinylated 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](#)

Goat anti-ACAT1 (aa253-266), Biotinylated Antibody - Images