

ACAT1 monoclonal antibody, clone AT1.H11

Catalog # MAB8768

Size 100 ug

Applications

Western Blot (Cell lysate)

Western blot analysis of ACAT1 monoclonal antibody, clone AT1.H11 (Cat # MAB8768) in human kidney (Lane 1) and liver cells (Lane 2).



Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant ACAT1.
Immunogen	Recombinant protein corresponding to 104 amino acids at N-terminus of human ACAT1.
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein A purification
Concentration	1 ug/uL
Recommend Usage	ELISA (1:2000-5000) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.05% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — ACAT1

Entrez GeneID	38
Gene Name	ACAT1
Gene Alias	ACAT, MAT, T2, THIL
Gene Description	acetyl-Coenzyme A acetyltransferase 1
Omim ID	203750 607809
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a mitochondrially localized enzyme that catalyzes the reversible formation of a cetoacetyl-CoA from two molecules of acetyl-CoA. Defects in this gene are associated with 3-ketothiolase deficiency, an inborn error of isoleucine catabolism characterized by urinary excretion of 2-methyl-3-hydroxybutyric acid, 2-methylacetoacetic acid, tiglylglycine, and butanone. [provided by RefSeq]
Other Designations	acetoacetyl Coenzyme A thiolase

Pathway

- [Benzoate degradation via CoA ligation](#)
- [Butanoate metabolism](#)
- [Fatty acid metabolism](#)
- [Lysine degradation](#)

- [Metabolic pathways](#)
- [Propanoate metabolism](#)
- [Pyruvate metabolism](#)
- [Synthesis and degradation of ketone bodies](#)
- [Terpenoid backbone biosynthesis](#)
- [Tryptophan metabolism](#)
- [Valine](#)

Disease

- [Alzheimer disease](#)
- [Amino Acid Metabolism](#)
- [Atherosclerosis](#)
- [Cardiovascular Diseases](#)
- [Dementia](#)
- [Diabetes Complications](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Hyperlipidemias](#)
- [Hypertriglyceridemia](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Osteoporosis](#)