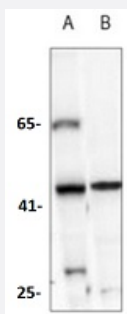


RecomAb™

ACAT1 recombinant monoclonal antibody

Catalog # RAB02462 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of K562 (A), HeLa (B) whole cell lysates with ACAT1 recombinant monoclonal antibody (Cat # RAB02462).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human ACAT1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide of human ACAT1.
Theoretical MW (kDa)	45
Reactivity	Human
Specificity	Recognizes endogenous levels of ACAT1 protein.
Form	Liquid
Purification	Immunogen affinity chromatography
Isotype	IgG
Recommend Usage	Immunoprecipitation(1:10-1:50) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.

Storage Buffer	In 50mM Tris-Glycine, pH 7.4 (0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of K562 (A), Hela (B) whole cell lysates with ACAT1 recombinant monoclonal antibody (Cat # RAB02462).

- Immunoprecipitation

Gene Info — ACAT1

Entrez GeneID	38
Protein Accession#	P24752
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](#)