

Datasheet for ABIN1449417

anti-ACAT1 antibody (AA 34-427)[Go to Product page](#)**1** Image

Overview

Quantity:	0.1 mL
Target:	ACAT1
Binding Specificity:	AA 34-427
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ACAT1 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Recombinant Human ACAT1 (34-427aa) purified from E. coli
Clone:	AT15E5
Isotype:	IgG1
Purification:	Protein-A affinity chromatography

Target Details

Target:	ACAT1
Alternative Name:	ACAT1 / MAT (ACAT1 Products)
Background:	ACAT1 (acetyl-Coenzyme A acetyltransferase 1) is a 417 amino acid protein. ACAT1 is a mitochondrial enzyme involved in the formation and degradation of ketone bodies and is

Target Details

necessary for the proper metabolic processing of isoleucine. ACAT1 and ACAT2 catalyze the formation of acetoacetyl-CoA from two acetyl-CoA molecules. These enzymes are also capable of the reverse reaction. Defects in ACAT1 are a cause of 3-ketothiolase deficiency. 3-ketothiolase deficiency is an inborn error of isoleucine catabolism characterized by intermittent ketoacidotic attacks associated with unconsciousness. Some patients die during an attack or are mentally retarded.Synonyms: Acetoacetyl-CoA thiolase T2, Acetyl-CoA acetyltransferase mitochondrial

Gene ID:	38
NCBI Accession:	NP_000010
UniProt:	P24752

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1.0 mg/mL
Buffer:	Phosphate -Buffered Saline (pH 7.4), 0.01 % Sodium Azide, 10 % Glycerol
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

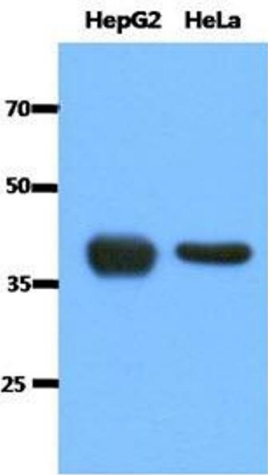


Image 1.