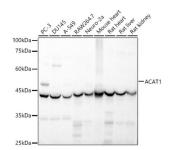


Acetyl Coenzyme A Acetyltransferase 1 (ACAT1) Antibody

Catalogue No.:abx004078



Western blot analysis of various lysates, using ACAT1 Antibody at 1/1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 1s.

ACAT1 Antibody is a Rabbit Polyclonal antibody against ACAT1. This gene encodes a mitochondrially localized enzyme that catalyzes the reversible formation of acetoacetyl-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.

Target: Acetyl Coenzyme A Acetyltransferase 1 (ACAT1)

Clonality: Polyclonal

Reactivity: Human, Mouse, Rat

Tested Applications: ELISA, WB

Host: Rabbit

Recommended dilutions: ELISA: 1 µg/ml, WB: 1/500 - 1/1000. Optimal dilutions/concentrations should be determined by the

end user.

Conjugation: Unconjugated

Immunogen: Recombinant protein corresponding to ACAT1. The exact sequence is proprietary.

Isotype: IgG

Form: Liquid

Purification: Purified by affinity chromatography.

Storage: Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

UniProt Primary AC: P24752 (<u>UniProt</u>, <u>ExPASy</u>)

Gene Symbol: ACAT1

Datasheet

Version: 5.0.0 Revision date: 28 Jul 2025



GeneID: 38

NCBI Accession: NP_000010.1

KEGG: hsa:38

String: <u>9606.ENSP00000265838</u>

Molecular Weight: Calculated MW: 45 kDa

Observed MW: 42 kDa

Buffer: PBS, pH 7.3, containing 0.05% Proclin-300, 50% glycerol.

Concentration: > 0.2 mg/ml

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC,

THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL

CONSUMPTION.

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