

Rabbit anti-Human, Mouse ACAT1 Polyclonal Antibody | anti-ACAT1 antibody

ACAT1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA304822	Rabbit	Human, Mouse	Western Blot, Immunofluorescence

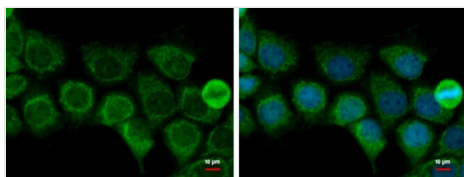
PRODUCT SYNONYMS

ACAT1; Polyclonal Antibody; ACAT1 Antibody; ACAT antibody; MAT antibody; T2 antibody; THIL antibody; ACAT1 antibody; mitochondrial acetoacetyl-CoA thiolase antibody; acetoacetyl-CoA thiolase antibody; acetyl-Coenzyme A acetyltransferase 1 antibody; "acetyl-CoA acetyltransferase; mitochondrial antib; anti-ACAT1 antibody

PRODUCT SPECIFICATIONS

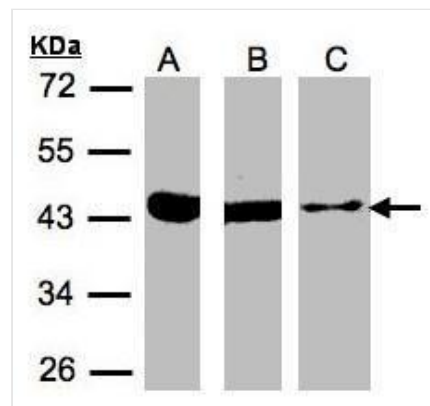
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total ACAT1 protein.
Purity/Purification	Antibodies were purified by antigen-affinity chromatography.
Form/Format	Rabbit IgG in 0.1M Tris, 0.1M Glycine, 10% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Concentration	1 mg/ml (varies by lot)
Sequence Length	427
Applicable Applications for anti-ACAT1 antibody	WB (Western Blot), IF (Immunofluorescence)
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant fragment corresponding to a region within amino acids 1 and 151 of ACAT1.
Target Name	ACAT1
Preparation and Storage	Store at -20 degree C

IMAGES



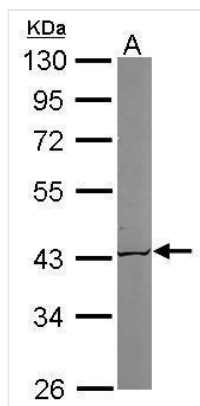
IF (Immunofluorescence)

ACAT1 antibody detects ACAT1 protein at mitochondria by immunofluorescent analysis. Sample: A431 cells were fixed in 2% paraformaldehyde/culture medium at 37°C for 30 min. Green: ACAT1 protein stained by ACAT1 antibody (1:500). Blue: Hoechst 33342 staining.



Application Data

Sample (30 μg of whole cell lysate) A: 293T B: A431 C: MOLT4 10% SDS PAGE diluted at 1:500



Application Data

Sample (50 ug of whole cell lysate) A: Mouse brain 10% SDS PAGE diluted at 1:1000

ADDITIONAL INFORMATION

Related Product Information for anti-ACAT1 antibody	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. [provided by RefSeq]
Product Categories/Family for anti-ACAT1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557237
NCBI GeneID	38
NCBI Accession #	NP_000010.1
NCBI GenBank Nucleotide #	NM_000019.3
UniProt Accession #	P24752; Q96FG8; B2R6H1; G3XAB4
Molecular Weight	17,175 Da
NCBI Official Full Name	acetyl-CoA acetyltransferase, mitochondrial
NCBI Official Synonym Full Names	acetyl-CoA acetyltransferase 1
NCBI Official Symbol	ACAT1
NCBI Official Synonym Symbols	T2; MAT; ACAT; THIL
NCBI Protein Information	acetyl-CoA acetyltransferase, mitochondrial
UniProt Protein Name	Acetyl-CoA acetyltransferase, mitochondrial
UniProt Gene Name	ACAT1
UniProt Synonym Gene Names	ACAT; MAT
UniProt Entry Name	THIL_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/acet1-antibody-western-blot-immunofluorescence-elisa/304822>