

Rabbit ACAT1 Polyclonal Antibody | anti-ACAT1 antibody

ACAT1 antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA200343	Rabbit	Tested: Human Predicted: Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish	Western Blot, Immunohistochemistry

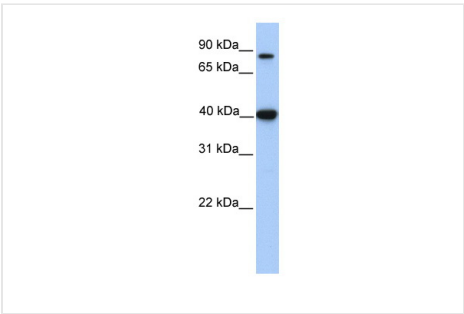
PRODUCT SYNONYMS

ACAT1; Polyclonal Antibody; ACAT1 antibody - middle region; anti-ACAT1 antibody

PRODUCT SPECIFICATIONS

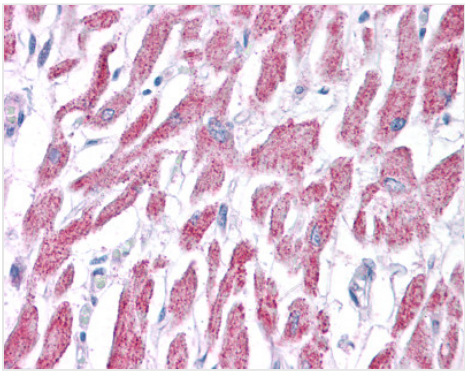
Host	Rabbit
Reactivity	Tested: Human Predicted: Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	0.5 mg/ml (varies by lot)
Sequence	Synthetic peptide located within the following region: SY TRSKAAWEAG KFGNEVIPVT VTVKGQPDVV VKEDDEYKRV DFSKVPKL
Sequence Length	427
Applicable Applications for anti-ACAT1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Protein Size (#AA)	427 amino acids
Homology	Cow: 93%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 86%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human ACAT1
Blocking Peptide	For anti-ACAT antibody is Catalog#
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-ACAT1 Antibody Titration: 1 ug/mlPositive Control: Fetal heart lysate



IHC (Immunohistochemistry)

Human Heart

ADDITIONAL INFORMATION

Related Product Information for anti-ACAT1 antibody	This is a rabbit polyclonal antibody against ACAT1. It was validated on Western Blot using a cell lysate as a positive control. Target Description: ACAT1 is a mitochondrially localized enzyme that catalyzes the reversible formation of acetoacetyl-CoA from two molecules of acetyl-CoA. The gene encoding ACAT1 spans approximately 27 kb and contains 12 exons interrupted by 11 introns. Defects in this gene are associated with the alpha-methylacetoaceticaciduria disorder, an inborn error of isoleucine catabolism characterized by urinary excretion of 2-methyl-3-hydroxybutyric acid, 2-methylacetoacetic acid, tiglylglycine, and butanone.This gene encodes a mitochondrially localized enzyme that catalyzes the reversible formation of acetoacetyl-CoA from two molecules of acetyl-CoA. This gene spans approximately 27 kb and contains 12 exons interrupted by 11 introns. Defects in this gene are associated with the alpha-methylacetoaceticaciduria disorder, an inborn error of isoleucine catabolism characterized by urinary excretion of 2-methyl-3-hydroxybutyric acid, 2-methylacetoacetic acid, tiglylglycine, and butanone. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Product Categories/Family for anti-ACAT1 antibody	Polyclonal; Signal Proteins; Lymphocyte Signaling; Membrane Protein; Drugs and Drug Metabolism; Developmental Biology; Immunohistochemistry; Receptors

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557237
NCBI GeneID	38
NCBI Accession #	NP_000010
NCBI GenBank Nucleotide #	NM_000019
UniProt Accession #	P35610; P24752
Molecular Weight	41kDa
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	Sterol O-acyltransferase 1
UniProt Gene Name	SOAT1

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://www.aaabiotech.com/polyclonal/aca1-antibody-western-blot-immunohistochemistry-elisa/200343>