

Rabbit ACAT1 Polyclonal Antibody | anti-ACAT1 antibody

ACAT1 antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA200342	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Yeast, Zebrafish	Western Blot, Immunohistochemistry

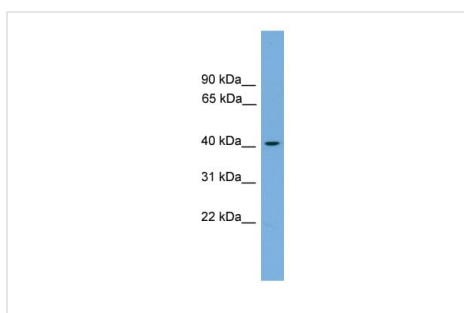
PRODUCT SYNONYMS

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

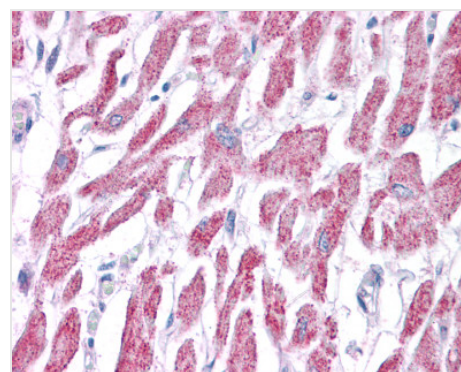
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Yeast, 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.
Sequence	Synthetic peptide with the following region: GH QDVMVAGGME SMSNPYVMN RGSTPYGGVK LEDLIVKDGL TDVYNKIH
Sequence Length	427
Applicable Applications for anti-ACAT1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Yeast: 92%; Zebrafish: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human ACAT1
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/ml
Positive Control: HepG2 cell lysate
ACAT1 is supported by BioGPS gene expression data to be expressed in HepG2


IHC (Immunohistochemistry)

Fetal 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.
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 #	P24752
Molecular Weight	41
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/acad1-antibody-western-blot-immunohistochemistry-elisa/200342>