

Rabbit ACAT1 Polyclonal Antibody | anti-ACAT1 antibody

ACAT1 Antibody (C-term)

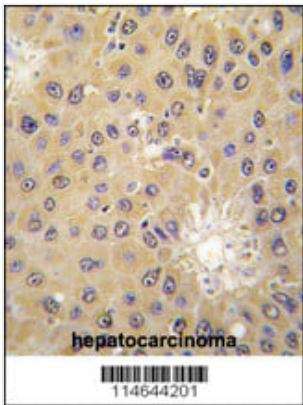
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286364	Rabbit	Human, mouse (Predicted Reactivity: Monkey)	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

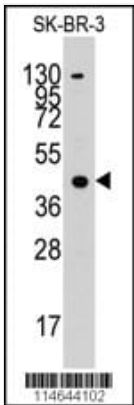
ACAT1; Polyclonal Antibody; ACAT1 Antibody (C-term); Acetyl-CoA acetyltransferase; mitochondrial; Acetoacetyl-CoA thiolase; T2; ACAT; MAT; anti-ACAT1 antibody

PRODUCT SPECIFICATIONS

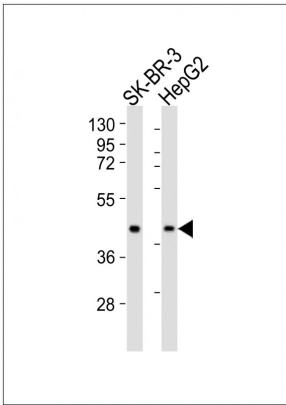
Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Monkey)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ACAT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 296-329 amino acids from the C-terminal region of human ACAT1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	296-329
Sequence Length	427
Applicable Applications for anti-ACAT1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



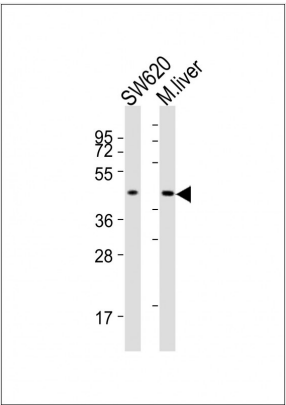
IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with ACAT1 antibody (C-term) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of anti-ACAT1 Pab in SK-BR-3 cell line lysates (35ug/lane).ACAT1 (arrow) was detected using the purified Pab.



WB (Western Blot)
All lanes : Anti-ACAT1 Antibody (C-term) at 1:1000 dilutionLane 1: SK-BR-3 whole cell lysatesLane 2: HepG2 whole cell lysatesLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilutionPredicted band size : 45. 2 kDaBlocking/Dilution buffer: 5% NFDm/TBST.



WB (Western Blot)
All lanes : Anti-ACAT1 Antibody (C-term) at 1:2000 dilutionLane 1: SW620 whole cell lysatesLane 2: mouse liver lysatesLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilutionPredicted band size : 45. 2 kDaBlocking/Dilution buffer: 5% NFDm/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-ACAT1 antibody	ACAT1 is a mitochondrially localized enzyme that catalyzes the reversible formation of acetoacetyl-CoA from two molecules of acetyl-CoA. Defects in the gene encoding ACAT1 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	Crown Antibodies; Cancer; Metabolism; Signal Transduction
References	Locke,J.A.,Prostate 68 (1), 20-33 (2008) Guo,Z.Y.,Biochemistry 46 (35), 10063-10071 (2007) Haapalainen,A.M.,Biochemistry 46 (14), 4305-4321 (2007)

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	45200
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-immunohistochemistry-western-blot-elisa/286364>