

Rabbit ACAT1 Polyclonal Antibody | anti-ACAT1 antibody

ACAT1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324408	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

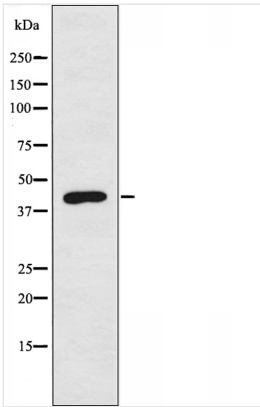
PRODUCT SYNONYMS

ACAT1; Polyclonal Antibody; ACAT1 Antibody; ACAT 1; ACAT; acat1; Acetoacetyl CoA thiolase; acetoacetyl Coenzyme A thiolase; Acetoacetyl-CoA thiolase; Acetyl CoA acetyltransferase; mitochondrial; Acetyl Coenzyme A acetyltransferase 1; Acetyl-CoA acetyltransferase; acetyl-coa acetyltransferase precursor; Acetyl-CoA thiolase; acetyl-Coenzyme A acetyltransferase 1; MAT; mitochondrial acetoacetyl-CoA thiolase; RATA CAL; T2; testicular tissue protein Li 198; THIL; THIL_HUMAN; anti-ACAT1 antibody

PRODUCT SPECIFICATIONS

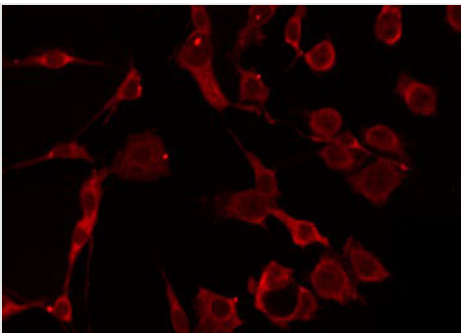
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ACAT1 antibody detects endogenous levels of total ACAT1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	427
Applicable Applications for anti-ACAT1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Mitochondrion.
Predicted Cross Reactivity	Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Zebrafish (85%), Bovine (92%), Horse (100%), Sheep (92%), Rabbit (100%), Dog (100%), Chicken (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from A549 cells, using ACAT1 antibody.



IF (Immunofluorescence)

AAA324408 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-ACAT1 antibody	Function: Plays a major role in ketone body metabolism. Subunit Structure: Homotetramer. Post-translational Modifications: Succinylation at Lys-268, adjacent to a coenzyme A binding site. Desuccinylated by SIRT5 (By similarity). Similarity: Belongs to the thiolase family.
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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	Observed: 45 kD Predicted: 46 kDa
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

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.