

Rabbit anti-Human ACOT8 Polyclonal Antibody | anti-ACOT8 antibody

ACOT8 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324415	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

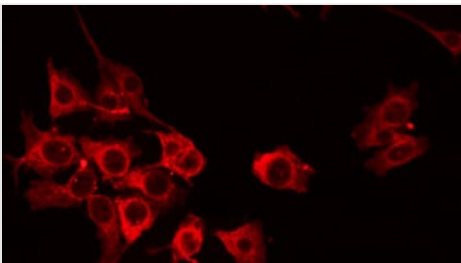
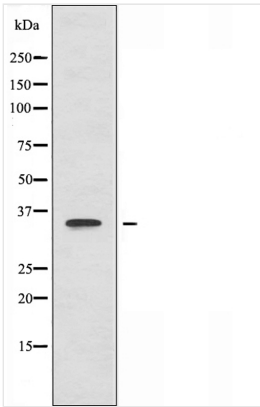
PRODUCT SYNONYMS

ACOT8; Polyclonal Antibody; ACOT8 Antibody; ACTEIII; Acot8; ACOT8_HUMAN; Acyl CoA thioesterase 8; Acyl-CoA thioesterase 8; Acyl-coenzyme A thioesterase 8; Choloyl coenzyme A thioesterase; Choloyl-coenzyme A thioesterase; hACTE III; hACTE-III; hACTEIII; HIV Nef associated acyl CoA thioesterase; HIV-Nef-associated acyl-CoA thioesterase; HNAACTE; hTE; Long chain fatty acyl CoA hydrolase; Palmitoyl CoA hydrolase; Peroxisomal acyl CoA thioesterase 1; Peroxisomal acyl coenzyme A thioester hydrolase 1; Peroxisomal acyl-coenzyme A thioester hydrolase 1; Peroxisomal long chain acyl CoA thioesterase 1; Peroxisomal long-chain acyl-CoA thioesterase 1; PTE 1; PTE 2; PTE-1; PTE-2; PTE1; PTE2; Thioesterase II; anti-ACOT8 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	ACOT8 antibody detects endogenous levels of total ACOT8
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	319
Applicable Applications for anti-ACOT8 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Peroxisome.
Tissue Specificity	Detected in a T-cell line (at protein level). Ubiquitous (PubMed:9153233, PubMed:9299485).
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (90%), Bovine (90%), Horse (100%), Sheep (90%), Rabbit (90%), Dog (90%), Chicken (90%), Xenopus (80%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)
AAA324415 staining HuvEc 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.

WB (Western Blot)
Western blot analysis of extracts from HUVEC cells, using ACOT8 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-ACOT8 antibody

Function: Acyl-coenzyme A (acyl-CoA) thioesterases are a group of enzymes that catalyze the hydrolysis of acyl-CoAs to the free fatty acid and coenzyme A (CoASH), providing the potential to regulate intracellular levels of acyl-CoAs, free fatty acids and CoASH (PubMed:9299485, PubMed:9153233, PubMed:15194431). Competes with bile acid CoA:amino acid N-acyltransferase (BAAT) for bile acid-CoA substrate (such as chenodeoxycholoyl-CoA). Shows a preference for medium-length fatty acyl-CoAs (C2 to C20) (PubMed:9299485, PubMed:9153233). Inactive towards substrates with more than C20 aliphatic chains (PubMed:9153233). Involved in the metabolic regulation of peroxisome proliferation (PubMed:15194431).
Subunit Structure: Homodimer (By similarity).
Similarity: Belongs to the C/M/P thioester hydrolase family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	34577075
NCBI GeneID	10005
NCBI Accession #	NP_005460.2
NCBI GenBank Nucleotide #	NM_005469.3
UniProt Accession #	O14734; O15261; Q17RX4
Molecular Weight	Observed: 36 kD Predicted: 36 kDa
NCBI Official Full Name	acyl-coenzyme A thioesterase 8
NCBI Official Synonym Full Names	acyl-CoA thioesterase 8
NCBI Official Symbol	ACOT8
NCBI Official Synonym Symbols	hTE; NAP1; PTE1; PTE2; PTE-1; PTE-2; HNAACTE; hACTE-III
NCBI Protein Information	acyl-coenzyme A thioesterase 8
UniProt Protein Name	Acyl-coenzyme A thioesterase 8
UniProt Gene Name	ACOT8
UniProt Synonym Gene Names	ACTEIII; PTE1; PTE2; Acyl-CoA thioesterase 8; PTE-1; hACTE-III; hACTEIII; hTE

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.

