

Rabbit anti-Human ACOT2 Polyclonal Antibody | anti-ACOT2 antibody

ACOT2 Antibody

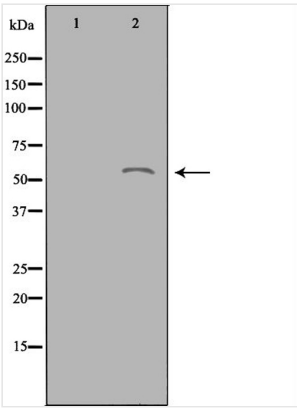
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324413	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

ACOT2; Polyclonal Antibody; ACOT2 Antibody; AA571646; Acyl CoA thioesterase 2; Acyl coenzyme A thioester hydrolase 2a; Acyl coenzyme A thioesterase 2; mitochondrial; CTE 1a; CTE1A; Long chain acyl CoA thioesterase 2; Mitochondrial acyl CoA thioesterase 1; Mitochondrial acyl CoA thioesterase 2; MTE1; Peroxisomal long chain acyl coA; PTE2; PTE2A; ZAP128; anti-ACOT2 antibody

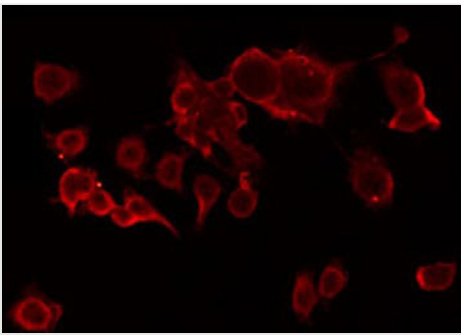
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	ACOT2 antibody detects endogenous levels of total ACOT2
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	483
Applicable Applications for anti-ACOT2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Mitochondrial
Tissue Specificity	Strongest expression in heart, liver, muscle and kidney. Weak in placenta and pancreas.
Predicted Cross Reactivity	Bovine
Similarity	Bovine (90%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)

Western blot analysis of extracts from Jurkat cells using ACOT2 antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA324413 staining HeLa 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-ACOT2 antibody

Function: 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. Displays high levels of activity on medium-and long chain acyl CoAs.
Subunit Structure: Monomer.
Similarity: Belongs to the C/M/P thioester hydrolase family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	148727286
NCBI GeneID	10965
NCBI Accession #	NP_006812.3
NCBI GenBank Nucleotide #	NM_006821.5
UniProt Accession #	P49753; Q3I5F8; Q53EK4; Q9NUX4
Molecular Weight	Observed: 53 kD Predicted: 54 kDa
NCBI Official Full Name	acyl-coenzyme A thioesterase 2, mitochondrial isoform 1
NCBI Official Synonym Full Names	acyl-CoA thioesterase 2
NCBI Official Symbol	ACOT2
NCBI Official Synonym Symbols	MTE1; PTE2; CTE1A; PTE2A; CTE-IA; ZAP128
NCBI Protein Information	acyl-coenzyme A thioesterase 2, mitochondrial
UniProt Protein Name	Acyl-coenzyme A thioesterase 2, mitochondrial
UniProt Gene Name	ACOT2
UniProt Synonym Gene Names	PTE2; PTE2A; Acyl-CoA thioesterase 2

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.