

Rabbit anti-Human ACOT4 Polyclonal Antibody | anti-ACOT4 antibody

ACOT4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324414	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

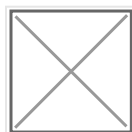
PRODUCT SYNONYMS

ACOT4; Polyclonal Antibody; ACOT4 Antibody; ACOT4_HUMAN; Acyl-CoA thioesterase 4; Acyl-coenzyme A thioesterase 4; Peroxisomal acyl CoA thioesterase 2B; Peroxisomal acyl coenzyme A thioester hydrolase 1b; Peroxisomal long-chain acyl-CoA thioesterase 1b; PTE-2b; PTE-1b; Pte1b; Pte2b; anti-ACOT4 antibody

PRODUCT SPECIFICATIONS

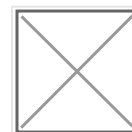
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	ACOT4 antibody detects endogenous levels of total ACOT4
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	421
Applicable Applications for anti-ACOT4 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Peroxisome.
Tissue Specificity	Strongest expression in liver and kidney and weaker expression in placenta, heart, and muscle.
Predicted Cross Reactivity	Pig, Horse, Sheep, Dog
Similarity	Pig (92%), Horse (92%), Sheep (92%), Dog (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 ACOT4 Antibody expression in mouse brain tissue lysates. The lane on the right is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA324414 staining HeLa by IF/ICC. The sample was 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-ACOT4 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 (By similarity). Succinyl-CoA thioesterase that also hydrolyzes long chain saturated and unsaturated monocarboxylic acyl-CoAs. Similarity: Belongs to the C/M/P thioester hydrolase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	187761341
NCBI GeneID	122970
NCBI Accession #	NP_689544.3
NCBI GenBank Nucleotide #	NM_152331.3
UniProt Accession #	Q8N9L9; Q17RF4; Q5BKT6; Q86TX0; Q86TX1; Q96N88
Molecular Weight	Observed: 48 kD Predicted: 47 kDa
NCBI Official Full Name	acyl-coenzyme A thioesterase 4
NCBI Official Synonym Full Names	acyl-CoA thioesterase 4
NCBI Official Symbol	ACOT4
NCBI Official Synonym Symbols	PTE1B; PTE2B; PTE-Ib
NCBI Protein Information	acyl-coenzyme A thioesterase 4
UniProt Protein Name	Acyl-coenzyme A thioesterase 4
UniProt Gene Name	ACOT4
UniProt Synonym Gene Names	PTE2B; PTEIB; Acyl-CoA thioesterase 4; PTE-Ib

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/acot4-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324414>