

Rabbit ACOX1 Polyclonal Antibody | anti-ACOX1 antibody

ACOX1 Antibody

CATALOG # AAA322873	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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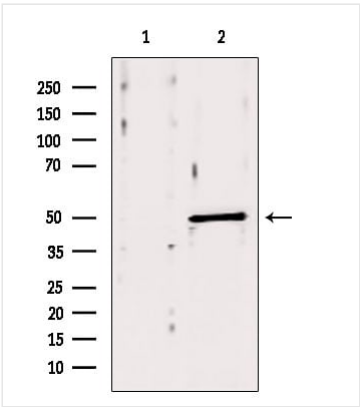
PRODUCT SYNONYMS

ACOX1; Polyclonal Antibody; ACOX1 Antibody; ACOX; ACOX1_HUMAN; Acyl CoA oxidase 1 palmitoyl; Acyl CoA oxidase straight chain; AOX; EC 1.3.3.6; PALMCOX; Palmitoyl CoA oxidase; Palmitoyl-CoA oxidase; Peroxisomal acyl coenzyme A oxidase 1; Peroxisomal acyl-coenzyme A oxidase 1; Peroxisomal fatty acyl CoA oxidase; SCOX; Straight chain acyl CoA oxidase; Straight-chain acyl-CoA oxidase; anti-ACOX1 antibody

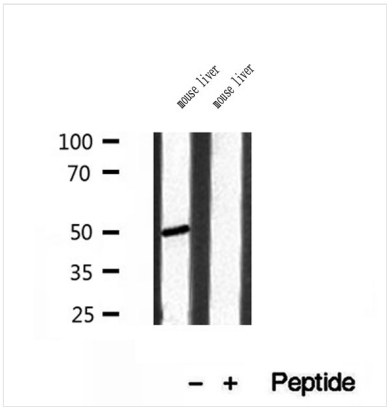
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ACOX1 antibody detects endogenous levels of ACOX1.
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	622
Applicable Applications for anti-ACOX1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ACOX1.
Subcellular Location	Peroxisome.
Tissue Specificity	Widely expressed with highest levels of isoform 1 and isoform 2 detected in testis. Isoform 1 is expressed at higher levels than isoform 2 in liver and kidney while isoform 2 levels are higher in brain, lung, muscle, white adipose tissue and testis. Levels are almost equal in heart.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

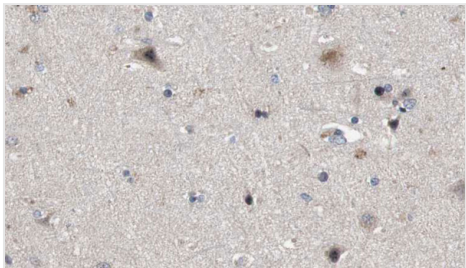
IMAGES



WB (Western Blot)
Western blot analysis of extracts from mouse brain, using ACOX1 antibody. Lane 1 was treated with the blocking peptide.



WB (Western Blot)
Western blot analysis of extracts of mouse liver tissue, using ACOX1 antibody.



IHC (Immunohistochemistry)
AAA322873 at 1/100 staining Human brain cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-ACOX1 antibody

Function: Catalyzes the desaturation of acyl-CoAs to 2-trans-enoyl-CoAs. Isoform 1 shows highest activity against medium-chain fatty acyl-CoAs and activity decreases with increasing chain length. Isoform 2 is active against a much broader range of substrates and shows activity towards very long-chain acyl-CoAs. Isoform 2 is twice as active as isoform 1 against 16-hydroxy-palmitoyl-CoA and is 25% more active against 1, 16-hexadecanodioloyl-CoA. Subunit Structure: Homodimer (By similarity). Interacts with LONP2 (PubMed:18281296). Similarity: Belongs to the acyl-CoA oxidase family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	297206874
NCBI GeneID	51
NCBI Accession #	NP_001171968.1
NCBI GenBank Nucleotide #	NM_001185039.1
UniProt Accession #	Q15067; Q12863; Q15068; Q15101; Q16131; Q7Z3W5; Q9UD31; A8K6X8; A8KAA0; B4DK61; F5GYQ8
Molecular Weight	Observed: 50 kDa Predicted: 75 kDa
NCBI Official Full Name	peroxisomal acyl-coenzyme A oxidase 1 isoform c
NCBI Official Synonym Full Names	acyl-CoA oxidase 1
NCBI Official Symbol	ACOX1

NCBI Official Synonym Symbols	ACOX; SCOX; PALMCOX
NCBI Protein Information	peroxisomal acyl-coenzyme A oxidase 1
UniProt Protein Name	Peroxisomal acyl-coenzyme A oxidase 1
UniProt Gene Name	ACOX1
UniProt Synonym Gene Names	AOX1 PublicationManual assertion based on opinion iniRef.4; SCOX

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://www.aaabiotech.com/polyclonal/acox1-antibody-immunohistochemistry-western-blot-elisa/322873>