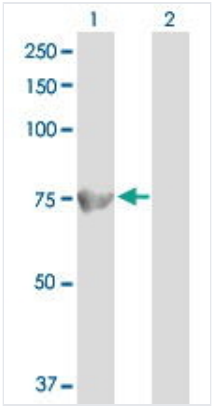
ACOX1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ACOX1, Polyclonal Antibody
Full Product Name	ACOX1 (Peroxisomal Acyl-coenzyme A Oxidase 1, AOX, Acyl-coenzyme A Oxidase 1, Peroxisomal, Palmitoyl-CoA Oxidase, AOX, Straight-chain Acyl-
Product Gene Name	anti-ACOX1 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human ACOX1.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor
Immunogen	Full length human ACOX1, aa1-660 (AAH10425.1).
Immunogen Sequence	MNPDLRRERDSASFNPELLTHILDGSPEKTRRRREIENMILNDPDFQHEDLNFLTRSQRYEVAVRKSAIMVKKMREFGIADPDEIMWFKNFVHRGRPEPLD
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-ACOX1 antibody	Antibodies; Coenzyme A
Applications Tested/Suitable for anti-ACOX1 antibody	Western Blot (WB)
Application Notes for anti-ACOX1 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-ACOX1 antibody	ACOX1 is the first enzyme of the fatty acid beta-oxidation pathway, which catalyzes the desaturation of acyl-CoAs to 2-trans-enoyl-CoAs. It donates ele
Other Notes	Small volumes of anti-ACOX1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces
Searchable Terms for ACOX1 purchase	MBS6368564 is an antibody targeting ACOX1. Also known as ACOX1 (Peroxisomal Acyl-coenzyme A Oxidase 1, AOX, Acyl-coenzyme A Oxidase 1, P



Western Blot (WB) of anti-ACOX1 antibody
Western Blot analysis of ACOX1 expression in transfected 293T cell line by ACOX1 polyclonal antibody. Lane 1: ACOX1 transfected lysate (74.7kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ACOX1. It may not necessarily be applicable to this product.

NCBI GI #	14714577
NCBI GeneID	51
NCBI Accession #	BC010425.1
NCBI Related Accession #	AAH10425.1
UniProt Related Accession #	Q15067
NCBI Official Full Name	Homo sapiens acyl-Coenzyme A oxidase 1, palmitoyl, mRNA
NCBI Official Synonym Full Names	acyl-CoA oxidase 1
NCBI Official Symbol	ACOX1
NCBI Official Synonym Symbols	ACOX; SCOX; PALMCOX
Protein Family	Peroxisomal acyl-coenzyme A oxidase
NCBI Protein Information	peroxisomal acyl-coenzyme A oxidase 1
NCBI Summary for ACOX1	The protein encoded by this gene is the first enzyme of the fatty acid beta-oxidation pathway, which catalyzes the desaturation of acyl-CoAs to 2-trans-enoyl-CoAs. It donates electrons directly to molecular oxygen, thereby producing hydrogen peroxide. Defects in this gene result in pseudoneonatal adrenoleukodystrophy, a disease that is characterized by accumulation of very long chain fatty acids. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]
Research Articles on ACOX1	**1.** In non-alcoholic fatty liver disease miR-222 promotes the accumulation of triglycerides by inhibiting ACOX1.
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