

Mouse anti-Human ACOX1 Monoclonal Antibody | anti-ACOX1 antibody

ACOX1 Antibody

CATALOG # AAA283444	HOST Mouse	REACTIVITY Human	APPLICATIONS Western Blot, Immunofluorescence, Immunohistochemistry, ELISA
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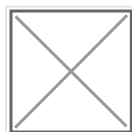
PRODUCT SYNONYMS

ACOX1; Monoclonal Antibody; ACOX1 Antibody; Peroxisomal acyl-coenzyme A oxidase 1; AOX; Palmitoyl-CoA oxidase; Straight-chain acyl-CoA oxidase; SCOX; ACOX; anti-ACOX1 antibody

PRODUCT SPECIFICATIONS

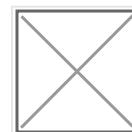
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	153CT43.1.1
Specificity	This ACOX1 monoclonal antibody is generated from mouse immunized with ACOX1 recombinant protein.
Purity/Purification	Purified Mouse Monoclonal Antibody (Mab)
Form/Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Concentration	Vial Concentration: 0.38 (varies by lot)
Sequence Length	622
Applicable Applications for anti-ACOX1 antibody	WB (Western Blot), IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Antigen Type	Recombinant Protein
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

Confocal immunofluorescent analysis of ACOX1 Antibody with Hela cell followed by Alexa Fluor 488-conjugated goat anti-mouse IgG (green). DAPI was used to stain the cell nuclear (blue).



IHC (Immunohistochemistry)

ACOX1 Monoclonal Antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human colon carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ACOX1 Monoclonal Antibody for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

ACOX1 Monoclonal Antibody western blot analysis in K562 cell line lysates (15ug/lane). This demonstrates the ACOX1 antibody detected the ACOX1 protein (arrow). (1ug/ml) 1:390

ADDITIONAL INFORMATION

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 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.
Product Categories/Family for anti-ACOX1 antibody	Cancer; Cardiovascular; Metabolism; Signal transduction
References	Lu, Y., et al. J. Lipid Res. 49(12):2582-2589(2008) Carrozzo, R., et al. Am. J. Med. Genet. A 146A (13), 1676-1681 (2008) Omi, S., et al. J. Biochem. 143(5):649-660(2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	297206874
NCBI GeneID	51
NCBI Accession #	NP_001171968.1; NP_004026.2; NP_009223.2
NCBI GenBank Nucleotide #	NM_001185039.1
UniProt Accession #	Q15067; Q12863; Q15068; Q15101; Q16131; Q7Z3W5; Q9UD31; A8K6X8; A8KAA0; B4DK61; F5GYQ8
Molecular Weight	74424
NCBI Official Full Name	peroxisomal acyl-coenzyme A oxidase 1 isoform c
NCBI Official Synonym Full Names	acyl-CoA oxidase 1, palmitoyl
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	ACOX; AOX; SCOX
UniProt Entry Name	ACOX1_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/acob1-antibody-clone-153ct43-1-1-western-blot-immunofluorescence-immunohistochemistry-elisa/283444>