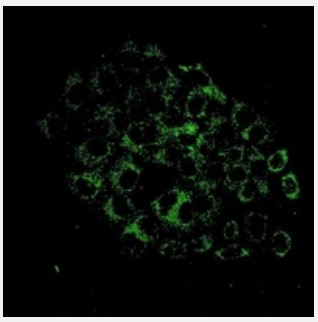
RecomAb™

ACOX1 recombinant monoclonal antibody

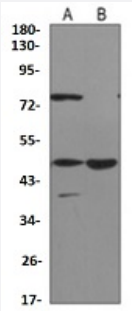
Catalog # RAB02463 Size 100 uL

Applications



Immunofluorescence

Immunofluorescent analysis of HeLa cells with ACOX1 recombinant monoclonal antibody (Cat # RAB02463). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark.



Western Blot

Western blot analysis of Raw264.7 (A), mouse liver (B) whole cell lysates with ACOX1 recombinant monoclonal antibody (Cat # RAB02463).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against mouse ACOX1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein of mouse ACOX1.
Theoretical MW (kDa)	50, 72
Reactivity	Human, Mouse, Rat
Specificity	Recognizes endogenous levels of ACOX1 protein.

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Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Immunogen affinity chromatography
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:100) Immunofluorescence (1:50-1:100) Immunoprecipitation(1:10-1:50) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50mM Tris-Glycine, pH 7.4 (0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunofluorescence

  Immunofluorescent analysis of HeLa cells with ACOX1 recombinant monoclonal antibody (Cat # RAB02463). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark.

- Immunocytochemistry

- Immunoprecipitation

- Western Blot

  Western blot analysis of Raw264.7 (A), mouse liver (B) whole cell lysates with ACOX1 recombinant monoclonal antibody (Cat # RAB02463).

Gene Info — ACOX1

Entrez GeneID	51

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Protein Accession#	Q15067
Gene Name	ACOX1
Gene Alias	ACOX, MGC1198, PALMCOX, SCOX
Gene Description	acyl-Coenzyme A oxidase 1, palmitoyl
Omim ID	264470 609751
Gene Ontology	Hyperlink
Gene Summary	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
Other Designations	acyl-CoA oxidase, straight-chain|peroxisomal fatty acyl-CoA oxidase

Pathway

- alpha-Linolenic acid metabolism
- Biosynthesis of plant hormones
- Biosynthesis of unsaturated fatty acids
- Fatty acid metabolism
- Metabolic pathways
- PPAR signaling pathway

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