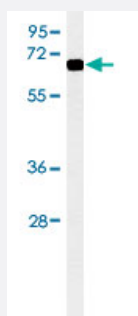


ACOX1 monoclonal antibody, clone 153CT43.1.1

Catalog # MAB12301

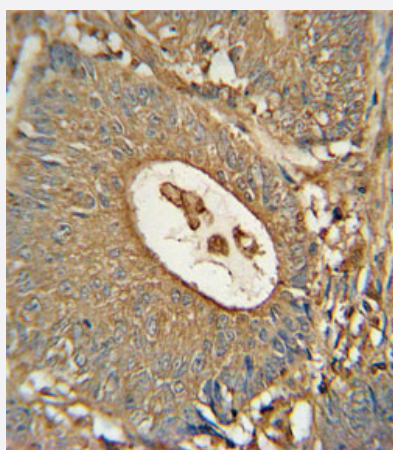
Size 400 uL

Applications



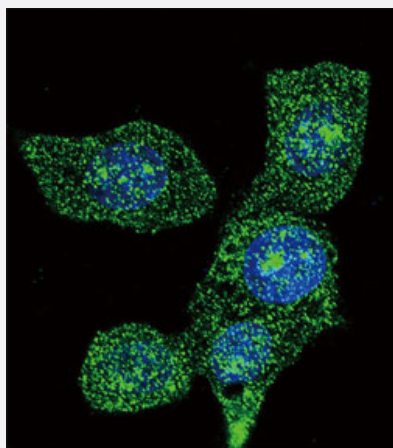
Western Blot (Cell lysate)

Western blot analysis of K562 cell line lysates reacted with ACOX1 monoclonal antibody (Cat # MAB12301) at 1:390 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of formalin-fixed and paraffin-embedded human colon carcinoma reacted with ACOX1 monoclonal antibody (Cat # MAB12301) at 1:10-1:50 dilution.



Immunofluorescence

Immunofluorescent staining of Hela cell reacted with ACOX1 monoclonal antibody (Cat # MAB12301) at 1:10-1:50 dilution.

Specification

Product Description	Mouse monoclonal antibody raised against human ACOX1.
Immunogen	Recombinant protein corresponding to human ACOX1.
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein G purification
Isotype	IgG1
Recommend Usage	Immunohistochemistry (1:10-1:50) Immunofluorescence (1:10-1:50) Western Blot (1:100-1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of K562 cell line lysates reacted with ACOX1 monoclonal antibody (Cat # MAB12301) at 1:390 dilution.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of formalin-fixed and paraffin-embedded human colon carcinoma reacted with ACOX1 monoclonal antibody (Cat # MAB12301) at 1:10-1:50 dilution.

- Immunofluorescence

Immunofluorescent staining of HeLa cell reacted with ACOX1 monoclonal antibody (Cat # MAB12301) at 1:10-1:50 dilution.

Gene Info — ACOX1

Entrez GeneID	51
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](#)