

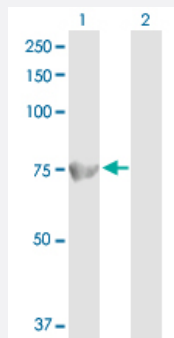
MaxPab®

ACOX1 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00000051-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of ACOX1 expression in transfected 293T cell line ([H00000051-T01](#)) by ACOX1 MaxPab polyclonal antibody.

Lane 1: ACOX1 transfected lysate(74.70 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human ACOX1 protein.

Immunogen

ACOX1 (AAH10425.1, 1 a.a. ~ 660 a.a) full-length human protein.

Sequence

MNPDLRRERDSASFNPPELLTHILDGSPEKTRRRREIENMILNDPDFQHEDLNFLTRSQRYEVAVRK
SAIMVKKMREFGIADPDEIMWFKNFVHRGRPEPLDLHLGMFLPTLLHQATAEQQERFFMPAWN
EIIGTYAQTEMGHGTHLRGLETIATYDPETQEILNSPTVTSIKWWPGGLGKTSNHAMLAQLITGKC
YGLHAFIVPIREIGTHKPLPGITVGDIGPKFGYDEIDNGYLKMDNHRIPRENMLMKYAQVKPDGTYVK
PLSNKLTYGTMVFVRSFLVGAAARALSKACTAIRYSAVRHQSEMKGPEPEPQILDFQTQQYKLF
LLATAYAFQFVGAYMKETYHRINEGIGQGDLSLPELHALTAGLKFTSWTANTGIEACRMACGGH
GYSHCSGLPNIVNFTPSCTFEGENTVMMLQTARFLMKS YDQVHSGKLVCGMVSYLNDLPSQRIQ
PQQVAVWPTMVDINSPELSTEAYKLRAARLVEIAAKNLQKEVIHRKSKEVAWNLTSDLVRASEA
HCHYVVVKLFSEKLLKIQDKAIAVLRSLCLLYSLYGISQNA GDFLQGSIMTEPQITQVNQRVKELLT
LIRSDAVALVDAFDFQDVTLGSVLGRYDGNVYENLFEWAKNSPLNKA EVHESYKHLKSLQSKL

Host

Rabbit

Reactivity

Human

Interspecies Antigen Sequence

Mouse (88); Rat (85)

Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of ACOX1 expression in transfected 293T cell line ([H00000051-T01](#)) by ACOX1 MaxPab polyclonal antibody.

Lane 1: ACOX1 transfected lysate(74.70 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — ACOX1

Entrez GeneID	51
GeneBank Accession#	BC010425.1
Protein Accession#	AAH10425.1
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](#)