

DNAxPab

Hard-to-Find
Antibody

ACOX1 DNAxPab

Catalog # H00000051-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human ACOX1 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MNPDLRRERDSASFNPPELLTHILDGSPEKTRRRREIENMILNDPDFQHEDLNFLTRSQRYEVAVRK SAIMVKKMREFGIADPDEIMWFKNFVHRGRPEPLDLHLGMFLPTLLHQATAEQQERFFMPAWN EIIGTYAQTEMGHGTHLRGLETIATYDPETQE FILNSPTVTSIKWWPGGLGKTSNHAVLAQLITKGKC YGLHAFIVPIREIGTHKPLPGITVGDIGPKFGYDEIDNGYLKMDNHRIPRENMLMKYAQVKPDGTYVK PLSNKLTYGTMV FVRSFLVGEAARALSKACTAIRYS AVRHQSEM KPGEPEPQILDFQTQQYKLF LLATAYAFQFVGAYMKETYHRINEGIGQGDLSSELPELHALTAGLKAFTSWTANTGIEACRMACGGH GYSHCSGLPNYVNFPTSCTFEGENTVMMLQTARFLMKS YDQVHSGKL VCGMVSYLNDLP SQRIQ PQQVAVWPTMVDINSPE SLTEAYKLRAARLVEIAAKNLQKEVIHRKSKEVAWNLT SVDLVRASEA HCHYVVVKLFSEKLLKIQDKAIQAVLRSLCLLYSLYGISQNA GDFLQGSIMTEPQITQVNQRVKELLT LIRSDAVALVDAFDFQDVT LGSVLGRYDGNVYENLFEWAKNSPLNKA EVHESYKHLKSLQSKL
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (88); Rat (85)
Purification	Protein A
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)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

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](#)