## ACOX1 rabbit monoclonal antibody

Catalog # H00000051-K Si

Size 100 ug x up to 3

Specification	
Product Description	Rabbit monoclonal antibody raised against a human ACOX1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human ACOX1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
lsotype	lgG
Quality Control Testing	Antibody reactive against human ACOX1 peptide by ELISA and mammalian transfected lysate by W estern Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	<ol> <li>Customer may provide cell or tissue lysate for antibody screening.</li> <li>Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering in cluding F(ab)<sub>2</sub>, lgG, scFv and different Fc and non-Fc conjugates per customer request.</li> </ol>

## Applications

• Western Blot (Transfected lysate)

Protocol Download



• ELISA

Gene Info — ACOX1	
Entrez GenelD	<u>51</u>
GeneBank Accession#	ACOX1
Gene Name	ACOX1
Gene Alias	ACOX, MGC1198, PALMCOX, SCOX
Gene Description	acyl-Coenzyme A oxidase 1, palmitoyl
Omim ID	<u>264470 609751</u>
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is the first enzyme of the fatty acid beta-oxidation pathway, whic h catalyzes the desaturation of acyl-CoAs to 2-trans-enoyl-CoAs. It donates electrons directly to m olecular oxygen, thereby producing hydrogen peroxide. Defects in this gene result in pseudoneon atal adrenoleukodystrophy, a disease that is characterized by accumulation of very long chain fatt y 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