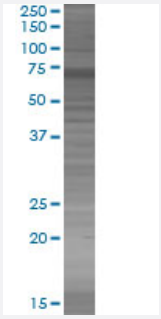
ACOX1 293T Cell Transient Overexpression Lysate(Denatured)

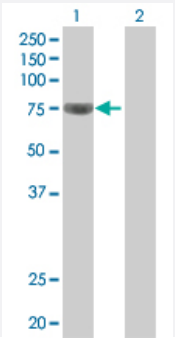
Catalog # H00000051-T01 Size 100 uL

Applications



SDS-PAGE Gel

ACOX1 transfected lysate.



Western Blot

Lane 1: ACOX1 transfected lysate (74.7 KDa)
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-ACOX1 full-length
Host	Human
Theoretical MW (kDa)	74.7
Interspecies Antigen Sequence	Mouse (88); Rat (85)

Quality Control Testing	Transient overexpression cell lysate was tested with Anti-ACOX1 antibody (H00000051-B01) by Western Blots. SDS-PAGE Gel ACOX1 transfected lysate. Western Blot Lane 1: ACOX1 transfected lysate (74.7 KDa) Lane 2: Non-transfected lysate.
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — ACOX1

Entrez GeneID	51
GeneBank Accession#	BC010425.1
Protein Accession#	-
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