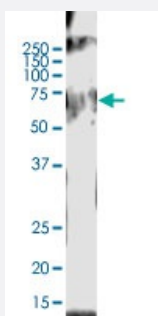


# ACOX2 monoclonal antibody (M02), clone 1A7

Catalog # H00008309-M02

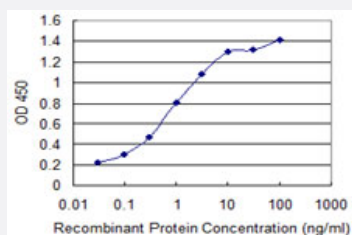
Size 100 ug

## Applications



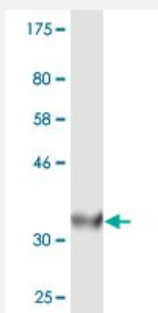
### Western Blot (Tissue lysate)

ACOX2 monoclonal antibody (M02), clone 1A7. Western Blot analysis of ACOX2 expression in mouse liver.



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ACOX2 is 0.03 ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.74 KDa) .

## Specification

### Product Description

Mouse monoclonal antibody raised against a partial recombinant ACOX2.

<b>Immunogen</b>	ACOX2 (NP_003491, 582 a.a. ~ 681 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence</b>	HGILTNSGDFLHDAFLSGAQVDMARTAYLDLLRLRKDAILLTDAFDFTDQCLNSALGCYDGNVYE RLFQWAQKSPNTNTQENPAYEEYIRPLLQSWRSKL
<b>Host</b>	Mouse
<b>Reactivity</b>	Human, Mouse
<b>Interspecies Antigen Sequence</b>	Mouse (85); Rat (83)
<b>Isotype</b>	IgG1 Kappa
<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Tissue lysate)

ACOX2 monoclonal antibody (M02), clone 1A7. Western Blot analysis of ACOX2 expression in mouse liver.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ACOX2 is 0.03 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

## Gene Info — ACOX2

Entrez GeneID [8309](#)

GeneBank Accession#	<a href="#">NM_003500</a>
Protein Accession#	<a href="#">NP_003491</a>
Gene Name	ACOX2
Gene Alias	BCOX, BRCACOX, BRCOX, THCCox
Gene Description	acyl-Coenzyme A oxidase 2, branched chain
Omim ID	<a href="#">601641</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	The product of this gene belongs to the acyl-CoA oxidase family. It encodes the branched-chain acyl-CoA oxidase which is involved in the degradation of long branched fatty acids and bile acid intermediates in peroxisomes. Deficiency of this enzyme results in the accumulation of branched fatty acids and bile acid intermediates, and may lead to Zellweger syndrome, severe mental retardation, and death in children. [provided by RefSeq]
Other Designations	Peroxisomal branched chain acyl-CoA oxidase THCA-CoA oxidase Trihydroxycoprostanoyl-CoA oxidase

## Pathway

- [Metabolic pathways](#)
- [PPAR signaling pathway](#)
- [Primary bile acid biosynthesis](#)

## Disease

- [Tobacco Use Disorder](#)