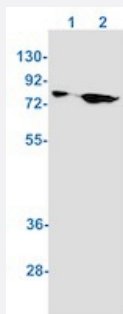


RecomAb™

ACO2 recombinant monoclonal antibody, clone R07-7A1

Catalog # RAB01769 Size 100 uL

Applications



Western Blot

Western blot analysis of Lane 1: 3T3 and Lane 2: mouse liver lysates with ACO2 recombinant monoclonal antibody, clone R07-7A1 (Cat # RAB01769).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human ACO2.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide of human ACO2.
Theoretical MW (kDa)	Calculated MW: 85 kD
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence (1/50-1/200) Immunohistochemistry (1/50-1/100) Immunoprecipitation (1/20) Western Blot (1/500-1/1000) The optimal working dilution should be determined by the end user.

Storage Buffer	In 50 mM Tris-Glycine pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at -20 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of Lane 1: 3T3 and Lane 2: mouse liver lysates with ACO2 recombinant monoclonal antibody, clone R07-7A1 (Cat # RAB01769).

- Immunohistochemistry

- Immunofluorescence

- Immunoprecipitation

Gene Info — ACO2

Entrez GeneID	50
Protein Accession#	Q99798
Gene Name	ACO2
Gene Alias	ACONM, MGC20605, MGC33908
Gene Description	aconitase 2, mitochondrial
Omim ID	100850
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene belongs to the aconitase/IPM isomerase family. It is an enzyme that catalyzes the interconversion of citrate to isocitrate via cis-aconitate in the second step of the TCA cycle. This protein is encoded in the nucleus and functions in the mitochondrion. It was found to be one of the mitochondrial matrix proteins that are preferentially degraded by the serine protease 15 (PRSS15), also known as Lon protease, after oxidative modification. [provided by RefSeq]
Other Designations	OTTHUMP00000042146 OTTHUMP00000165920 aconitase 2 aconitate hydratase citrate hydro-lyase

Pathway

- [Biosynthesis of alkaloids derived from histidine and purine](#)
- [Biosynthesis of alkaloids derived from ornithine](#)
- [Biosynthesis of alkaloids derived from shikimate pathway](#)
- [Biosynthesis of alkaloids derived from terpenoid and polyketide](#)
- [Biosynthesis of phenylpropanoids](#)
- [Biosynthesis of plant hormones](#)
- [Biosynthesis of terpenoids and steroids](#)
- [Citrate cycle \(TCA cycle\)](#)
- [Glyoxylate and dicarboxylate metabolism](#)
- [Metabolic pathways](#)
- [Reductive carboxylate cycle \(CO₂ fixation\)](#)