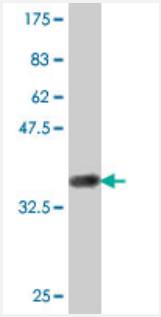
ACADM polyclonal antibody (A01)

Catalog # H00000034-A01 Size 50 uL

Applications



Western Blot detection against Immunogen (37.11 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant ACADM.
Immunogen	ACADM (NP_000007, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag.
Sequence	MAAGFGRCCRVLRSISRFHWRSQHTKANRQREPGLGFSFEFTEQQKEFQATARKFAREEIIPVAA EYDKTGEYPVPLIRRAWELGLMNTHIPENCGGLGL
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (87); Rat (86)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.11 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

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- ELISA
- Western Blot (Recombinant protein)

  Protocol Download

Gene Info — ACADM

Entrez GeneID	34
GeneBank Accession#	NM_000016
Protein Accession#	NP_000007
Gene Name	ACADM
Gene Alias	ACAD1, FLJ18227, FLJ93013, FLJ99884, MCAD, MCADH
Gene Description	acyl-Coenzyme A dehydrogenase, C-4 to C-12 straight chain
Omim ID	201450 607008
Gene Ontology	Hyperlink
Gene Summary	This gene encodes the medium-chain specific (C4 to C12 straight chain) acyl-Coenzyme A dehyd rogenase. The homotetramer enzyme catalyzes the initial step of the mitochondrial fatty acid beta-oxidation pathway. Defects in this gene cause medium-chain acyl-CoA dehydrogenase deficienc y, a disease characterized by hepatic dysfunction, fasting hypoglycemia, and encephalopathy, whi ch can result in infantile death. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq
Other Designations	OTTHUMP00000011345|medium-chain specific acyl-CoA dehydrogenase

Publication Reference

- Enhanced acyl-CoA dehydrogenase activity is associated with improved mitochondrial and contractile function in heart failure.

  Rennison JH, McElfresh TA, Okere IC, Patel HV, Foster AB, Patel KK, Stoll MS, Minkler PE, Fujioka H, Hoit BD, Young ME, Hoppel CL, Chandler MP.

  Cardiovascular Research 2008 Mar; 79(2):331.

  Application: WB, Rat, Rat heart

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Pathway

- beta-Alanine metabolism
- Fatty acid metabolism
- Metabolic pathways
- PPAR signaling pathway
- Propanoate metabolism
- Valine

Disease

- Cardiovascular Diseases
- Death
- Deficiency Diseases
- Diabetes Mellitus
- Edema
- Epilepsy
- Genetic Predisposition to Disease
- Hypoglycemia
- Lipid Metabolism
- Metabolism
- Seizures
- Sleep Stages

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