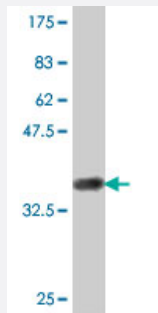


ACADM polyclonal antibody (A01)

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

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

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 dehydrogenase. 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 deficiency, a disease characterized by hepatic dysfunction, fasting hypoglycemia, and encephalopathy, which 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

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](#)