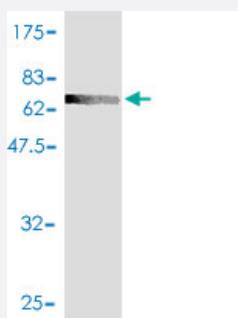


ACADL polyclonal antibody (A01)

Catalog # H00000033-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (73.41 KDa) .

Specification

Product Description

Mouse polyclonal antibody raised against a full-length recombinant ACADL.

Immunogen

ACADL (AAH39063, 1 a.a. ~ 430 a.a) full-length recombinant protein with GST tag.

Sequence

MAARLLRGSLRVLGGHRAPRQLPAARCSHSGGEERLETSAKKLTDIGIRRFSP EHDIFRKSVRK
FFQEEVIPHHSEWEKAGEVSREVWEKAGKQGLLGVNIAEHLGGIGGDLYSAAMWEEQAYSNCS
GPGFSIHSGIVMSYITNHGSEEQIKHFIPQMTAGKCIGAIAMTEPGAGSDLQGIKTNAKKDGS DWILN
GSKVFISNGSLSDVVIVVAVTNHEAPSPAHGISLFLVENG MKGFIKGRKLHKMGLKAQDTAELFFE
DIRLPASALLGEENKGFYIMKELPQERLLIADVAISASEFMFEETRNYVKQRKAFGKTVAHLQTVQ
HKLAELKTHICVTRAFVDNCLQLHEAKRLDSATACMAKYWASELQNSVAYDCVQLHGGWGYMW
EYPIAKAYVDARVQPIYGGTNEIMKELIAREIVFDK

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence

Mouse (87); Rat (87)

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (73.41 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 — ACADL

Entrez GeneID [33](#)

GeneBank Accession# [BC039063](#)

Protein Accession# [AAH39063](#)

Gene Name ACADL

Gene Alias ACAD4, FLJ94052, LCAD

Gene Description acyl-Coenzyme A dehydrogenase, long chain

Omim ID [201460 609576](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene belongs to the acyl-CoA dehydrogenase family, which is a family of mitochondrial flavoenzymes involved in fatty acid and branched chain amino-acid metabolism . This protein is one of the four enzymes that catalyze the initial step of mitochondrial beta-oxidation of straight-chain fatty acid. Defects in this gene are the cause of long-chain acyl-CoA dehydrogenase (LCAD) deficiency, leading to nonketotic hypoglycemia. [provided by RefSeq]

Other Designations long-chain specific acyl-CoA dehydrogenase

Publication Reference

- [Tissue-specific strategies of the very-long chain acyl-CoA dehydrogenase-deficient \(VLCAD^{-/-}\) mouse to compensate a defective fatty acid \$\beta\$ -oxidation.](#)

Tucci S, Herebian D, Sturm M, Seibt A, Spiekerkoetter U.

PLoS One 2012 Sep; 7(9):e45429.

Application: WB, Mouse , Mouse liver, heart, muscle

Pathway

- [Fatty acid metabolism](#)
- [Metabolic pathways](#)
- [PPAR signaling pathway](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)