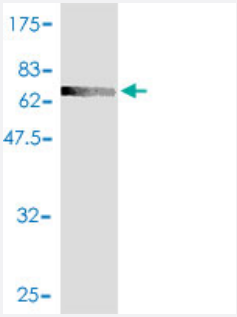
ACADL polyclonal antibody (A01)

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	MAARLLRGSLRVLGGHRAPRQLPAARCSHSGGEERLETPSAKKLTDIGIRRIFSPEHDIFRKSVRK FFQEEVIPHHSEWEKAGEVSREVWEKAGKQGLLGVNIAEHLGGIGGDLYSAAIVWEEQAYSNCS GPGFSIHSGIVMSYITNHGSEEQIKHFIPQMTAGKCIGAIAMTEPGAGSDLQGIKTNAKKDGSDWILN GSKVFISNGSLSDVVIVVAVTNHEAPSPAHGISLFLVENGMKGFIKGRKLHKMGLKAQDTAELFFE DIRLPASALLGEENKGFYYIMKELPQERLLIADVAISASEFMFEETRNYVKQRKAFGKTVAHLQTVQ 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.

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Applications

- ELISA
- Western Blot (Recombinant protein)

  Protocol Download

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 β-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

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Pathway

- Fatty acid metabolism
- Metabolic pathways
- PPAR signaling pathway

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema

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