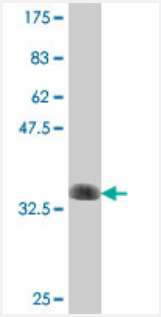
ACADS polyclonal antibody (A01)

Catalog # H00000035-A01 Size 50 uL

Applications



Western Blot detection against Immunogen (36.01 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant ACADS.
Immunogen	ACADS (NP_000008, 132 a.a. ~ 221 a.a) partial recombinant protein with GST tag.
Sequence	SKEQKQAWVTPFTSGDKIGCFALSEPGNGSDAGAASTTARAEGDSWVLNGTKAWITNAWEASA AVVFASTDRALQNKGISAFLVPMPTPG
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (90); Rat (90)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.01 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 — ACADS

Entrez GeneID	35
GeneBank Accession#	NM_000017
Protein Accession#	NP_000008
Gene Name	ACADS
Gene Alias	ACAD3, SCAD
Gene Description	acyl-Coenzyme A dehydrogenase, C-2 to C-3 short chain
Omim ID	201470 606885
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a a tetrameric mitochondrial flavoprotein, which is a member of the acyl-CoA dehydrogenase family. This enzyme catalyzes the initial step of the mitochondrial fatty acid beta-oxidation pathway. Mutations in this gene have been associated with Short Chain Acyl-CoA Dehydrogenase Deficiency. [provided by RefSeq
Other Designations	butyryl-CoA dehydrogenase|short chain acyl-CoA dehydrogenase|unsaturated acyl-CoA reductase

Publication Reference

- Butyrate-rich Colonic Microenvironment Is a Relevant Selection Factor for Metabolically Adapted Tumor Cells.

  Serpa J, Caiado F, Carvalho T, Torre C, Goncalves LG, Casalou C, Lamosa P, Rodrigues M, Zhu Z, Lam EW, Dias S.

  The Journal of Biological Chemistry 2010 Dec; 285(50):39211.

  Application: WB-Ce, Human, HCT15 cells

- A novel mouse model of X-linked cardiac hypertrophy.

  Leatherbury L, Yu Q, Chatterjee B, Walker DL, Yu Z, Tian X, Lo CW.

  American Journal of Physiology. Heart and Circulatory Physiology 2008 Apr; 294(6):H2701.

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Pathway

- Butanoate metabolism
- Fatty acid metabolism
- Metabolic pathways
- Valine

Disease

- Alcoholism
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