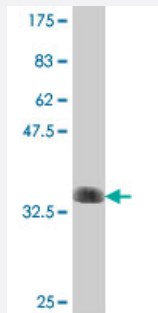


ACADS polyclonal antibody (A01)

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 AVVFASTDRALQNKGISAFVPMPTPG
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

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

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.

Pathway

- [Butanoate metabolism](#)
- [Fatty acid metabolism](#)
- [Metabolic pathways](#)
- [Valine](#)

Disease

- [Alcoholism](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Interview](#)
- [Lipid Metabolism](#)