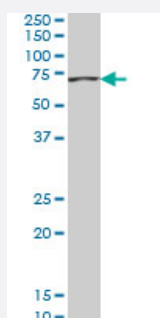


ACADVL monoclonal antibody (M01), clone 5D3

Catalog # H00000037-M01

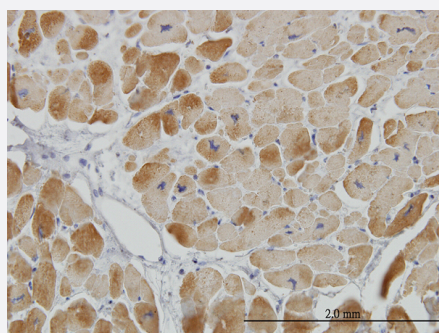
Size 100 ug

Applications



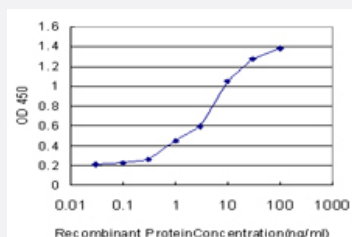
Western Blot (Cell lysate)

ACADVL monoclonal antibody (M01), clone 5D3 Western Blot analysis of ACADVL expression in HeLa S3 NE (Cat # L013V3).



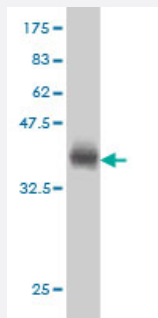
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to ACADVL on formalin-fixed paraffin-embedded human heart. [antibody concentration 3 ug/ml]



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ACADVL is approximately 0.03ng/ml as a capture antibody.



Western Blot detection against Immunogen (35.64 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant ACADVL.
Immunogen	ACADVL (NP_000009, 345 a.a. ~ 434 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	AAALAGTMRGIIAKAVDHA TNRTQFGEKIHNFGLIQEKLARMVMLQYVTESMAYMV SANMDQGATDFQIEAAISKIFGSEAAWKVTDECI
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (86); Rat (89)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.64 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

ACADVL monoclonal antibody (M01), clone 5D3 Western Blot analysis of ACADVL expression in Hela S3 NE (Cat # L013V3).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to ACADVL on formalin-fixed paraffin-embedded human heart. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ACADVL is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — ACADVL

Entrez GeneID [37](#)

GeneBank Accession# [NM_000018](#)

Protein Accession# [NP_000009](#)

Gene Name ACADVL

Gene Alias ACAD6, LCACD, VLCAD

Gene Description acyl-Coenzyme A dehydrogenase, very long chain

Omim ID [201475 609575](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is targeted to the inner mitochondrial membrane where it catalyzes the first step of the mitochondrial fatty acid beta-oxidation pathway. This acyl-Coenzyme A dehydrogenase is specific to long-chain and very-long-chain fatty acids. A deficiency in this gene product reduces myocardial fatty acid beta-oxidation and is associated with cardiomyopathy. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq]

Other Designations -

Publication Reference

- [ACAD9, a complex I assembly factor with a moonlighting function in fatty acid oxidation deficiencies.](#)

Nouws J, Te Brinke H, Nijtmans LG, Houten SM.

Human Molecular Genetics 2014 Mar; 23(5):1311.

Application: WB-Tr, Human, Fibroblast cells

- [Mild mitochondrial uncoupling does not affect mitochondrial biogenesis but downregulates pyruvate carboxylase in adipocytes: role for triglyceride content reduction.](#)

De Pauw A, Demine S, Tejerina S, Dieu M, Delaive E, Kel A, Renard P, Raes M, Arnould T.

American Journal of Physiology. Endocrinology and Metabolism 2012 May; 302(9):E1123.

Application: WB, Mouse, 3T3-L1 preadipocytes

Pathway

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