

ACADM monoclonal antibody (M04), clone 3A2

Catalog # H00000034-M04

Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant ACADM.
Immunogen	ACADM (NP_000007, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MAAGFGRCRVLRSISRFHWRSQHTKANRQREPGLGFSFEFTEQQKEFQATARKFAREEIIPVAA EYDKTGEYPVPLIRRAWELGLMNTHIPENCGLGL
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (87); Rat (86)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- ELISA

Gene Info — ACADM

Entrez GeneID	34
GeneBank Accession#	NM_000016

Protein Accession#	NP_000007
Gene Name	ACADM
Gene Alias	ACAD1, FLJ18227, FLJ93013, FLJ99884, MCAD, MCADH
Gene Description	acyl-Coenzyme A dehydrogenase, C-4 to C-12 straight chain
Omim ID	201450 607008
Gene Ontology	Hyperlink
Gene Summary	This gene encodes the medium-chain specific (C4 to C12 straight chain) acyl-Coenzyme A dehydrogenase. The homotetramer enzyme catalyzes the initial step of the mitochondrial fatty acid beta-oxidation pathway. Defects in this gene cause medium-chain acyl-CoA dehydrogenase deficiency, a disease characterized by hepatic dysfunction, fasting hypoglycemia, and encephalopathy, which can result in infantile death. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	OTTHUMP00000011345 medium-chain specific acyl-CoA dehydrogenase

Pathway

- [beta-Alanine metabolism](#)
- [Fatty acid metabolism](#)
- [Metabolic pathways](#)
- [PPAR signaling pathway](#)
- [Propanoate metabolism](#)
- [Valine](#)

Disease

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

- [Epilepsy](#)
- [Genetic Predisposition to Disease](#)
- [Hypoglycemia](#)
- [Lipid Metabolism](#)
- [Metabolism](#)
- [Seizures](#)
- [Sleep Stages](#)