ACADM rabbit monoclonal antibody

Catalog # H00000034-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human ACADM peptide using ARM Technology.
Immunogen	A synthetic peptide of human ACADM is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human ACADM peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering in cluding $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- ELISA

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- Western Blot (Transfected lysate)

  Protocol Download

Gene Info — ACADM

Entrez GeneID	34
GeneBank Accession#	ACADM
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 dehyd rogenase. 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 deficienc y, a disease characterized by hepatic dysfunction, fasting hypoglycemia, and encephalopathy, whi ch 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

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Disease

- Cardiovascular Diseases
- Death
- Deficiency Diseases
- Diabetes Mellitus
- Edema
- Epilepsy
- Genetic Predisposition to Disease
- Hypoglycemia
- Lipid Metabolism
- Metabolism
- Seizures
- Sleep Stages

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