

RecomAb™

ACADM recombinant monoclonal antibody, clone R04-4F0

Catalog # RAB01770 Size 100 uL

Applications



Western Blot

Western blot analysis of rat muscle lysates with ACADM recombinant monoclonal antibody, clone R04-4F0 (Cat # RAB01770).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human ACADM.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide of human ACADM.
Theoretical MW (kDa)	Calculated MW: 47 kD
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence (1/50-1/200) Immunohistochemistry (1/50-1/100) Immunoprecipitation (1/20) Western Blot (1/500-1/1000) The optimal working dilution should be determined by the end user.

Storage Buffer	In 50 mM Tris-Glycine pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at -20 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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- Immunohistochemistry

- Immunofluorescence

- Immunoprecipitation

Gene Info — ACADM

Entrez GeneID	34
Protein Accession#	P11310
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](#)