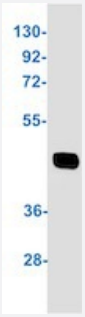
RecomAb™

# 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 |
| **Preparation Method** | Mammalian cell (CHO) expression system |
| **Purification** | Affinity purification |
| **Isotype** | IgG |

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|---|---|
| **Recommend Usage** | Immunofluorescence (1/50-1/200)<br>Immunohistochemistry (1/50-1/100)<br>Immunoprecipitation (1/20)<br>Western Blot (1/500-1/1000)<br>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.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## Applications

- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Western Blot

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

## Gene Info — ACADM

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|---|---|
| **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 |

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|---|---|
| **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

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- Sleep Stages

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