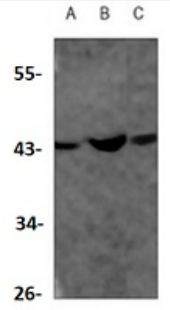
RecomAb™

# ACADS recombinant monoclonal antibody

Catalog # RAB02461 Size 100 uL

## Applications




### Western Blot

Western blot analysis of mouse liver (A), NIH3T3 (B), Jurkat (C) whole cell lysates with ACADS recombinant monoclonal antibody (Cat # RAB02461).

## Specification

| | |
|---|---|
| **Product Description** | Rabbit recombinant monoclonal antibody raised against human ACADS. |
| **Antibody Species** | Rabbit |
| **Immunogen** | Original antibody is raised against a synthetic peptide of human ACADS. |
| **Theoretical MW (kDa)** | 43 |
| **Reactivity** | Human, Mouse, Rat |
| **Specificity** | Recognizes endogenous levels of ACADS protein. |
| **Form** | Liquid |
| **Preparation Method** | Mammalian cell (HEK293) expression system |
| **Purification** | Immunogen affinity chromatography |
| **Isotype** | IgG |

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| | |
|---|---|
| **Recommend Usage** | Immunoprecipitation(1:10-1:50)<br>Western Blot (1:500-1:1000)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In 50mM Tris-Glycine, pH 7.4 (0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA) |
| **Storage Instruction** | Store at 4°C short term.<br>Aliquot and store at -20°C long term.<br>Avoid freeze-thaw cycles. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## Applications

- Immunoprecipitation
- Western Blot

Western blot analysis of mouse liver (A), NIH3T3 (B), Jurkat (C) whole cell lysates with ACADS recombinant monoclonal antibody (Cat # RAB02461).

## Gene Info — ACADS

| | |
|---|---|
| **Entrez GeneID** | 35 |
| **Protein Accession#** | P16219 |
| **Gene Name** | ACADS |
| **Gene Alias** | ACAD3, SCAD |
| **Gene Description** | acyl-Coenzyme A dehydrogenase, C-2 to C-3 short chain |
| **Omim ID** | 201470 606885 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | This gene encodes a a tetrameric mitochondrial flavoprotein, which is a member of the acyl-CoA dehydrogenase family. This enzyme catalyzes the initial step of the mitochondrial fatty acid beta-o xidation pathway. Mutations in this gene have been associated with Short Chain Acyl-CoA Dehyd rogenase Deficiency. [provided by RefSeq |
| **Other Designations** | butyryl-CoA dehydrogenase\|short chain acyl-CoA dehydrogenase\|unsaturated acyl-CoA reductas e |

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## Pathway

- Butanoate metabolism
- Fatty acid metabolism
- Metabolic pathways
- Valine

## Disease

- Alcoholism
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Interview
- Lipid Metabolism

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