

A4567

Leader in Biomolecular Solutions for Life Science



## ACADM Rabbit mAb

Catalog No.: A4567

Recombinant

1 Publications

### Basic Information

#### Observed MW

45kDa

#### Calculated MW

47kDa

#### Category

SMab Recombinant Monoclonal Antibody

#### Applications

WB,IHC-P,IF/ICC,ELISA

#### Cross-Reactivity

Human,Mouse,Rat

#### CloneNo number

ARC1035

### Background

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.

### Recommended Dilutions

WB	1:500 - 1:1000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200

### Immunogen Information

#### Gene ID

34

#### Swiss Prot

P11310

#### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 200-300 of human ACADM (P11310).

#### Synonyms

MCAD; ACAD1; MCADH; ACADM

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

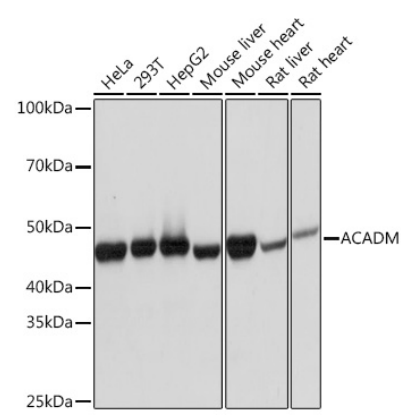
Affinity purification

#### Storage

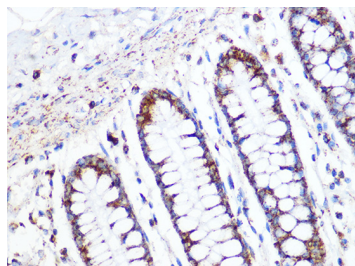
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

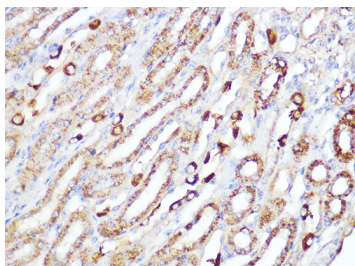
Validation Data



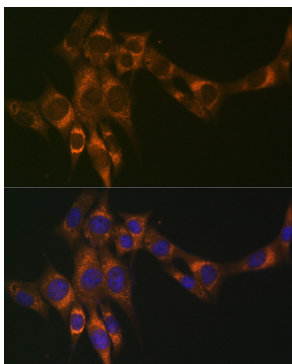
Western blot analysis of extracts of various cell lines, using ACADM Rabbit mAb (A4567) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 1s.



Immunohistochemistry analysis of paraffin-embedded human colon using ACADM Rabbit mAb (A4567) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded mouse kidney using ACADM Rabbit mAb (A4567) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunofluorescence analysis of NIH/3T3 cells using ACADM Rabbit mAb (A4567) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.