

**Product Name: ACADM Rabbit Monoclonal antibody**  
**Catalog #: AMRe02884**



## Summary

<b>Production Name</b>	ACADM Rabbit Monoclonal antibody
<b>Description</b>	Recombinant Rabbit Monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC-F,IHC-P,ICC/IF,IP
<b>Reactivity</b>	Human,Mouse,Rat

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal Antibody
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
<b>Purification</b>	Affinity Purified

## Immunogen

<b>Gene Name</b>	ACADM
<b>Alternative Names</b>	ACADM; Medium-chain specific acyl-CoA dehydrogenase; mitochondrial; MCAD
<b>Gene ID</b>	34
<b>SwissProt ID</b>	P11310.

## Application

<b>Dilution Ratio</b>	WB: 1:500-1:1000 IHC: 1:50-1:100 IF: 1:50-1:200 IP: 1:20
<b>Molecular Weight</b>	Calculated MW: 47 kDa; Observed MW: 47 kDa

## Background

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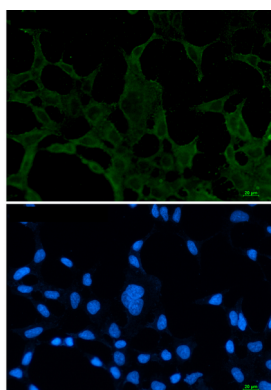


This gene encodes the medium-chain specific (C4 to C12 straight chain) acyl-Coenzyme A dehydrogenase. The homotetramer enzyme catalyzes the initial step of the mitochondrial fatty acid beta-oxidation pathway. Defects in this gene cause medium-chain acyl-CoA dehydrogenase deficiency, a disease characterized 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.

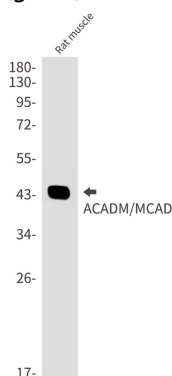
## Research Area

Signal Transduction

## Image Data

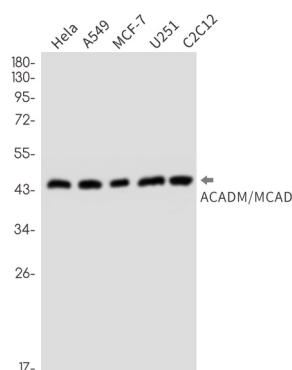


Immunocytochemistry analysis of ACADM (green) in 293T using ACADM antibody, and DAPI (blue).

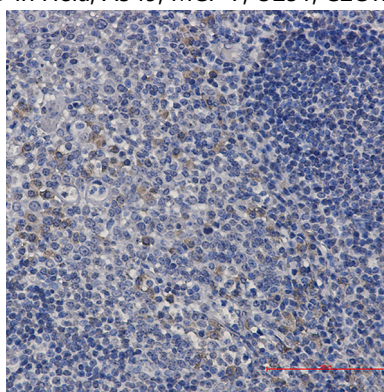


Western blot analysis of ACADM/MCAD in rat muscle lysates using ACADM/MCAD antibody.

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Western blot analysis of ACADM/MCAD in HeLa, A549, MCF-7, U251, C2C12 lysates using ACADM/MCAD antibody



Immunohistochemistry analysis of paraffin-embedded Human tonsil using ACADM/MCAD antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

## Note

For research use only.