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

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF,IP
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal Antibody
<b>Form</b>	Liquid
<b>Concentration</b>	0.2mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
<b>Purification</b>	Affinity Purified

**Application**

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

**Antigen Information**

<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
<b>Immunogen</b>	A synthetic peptide of human ACADM/MCAD

**Background**

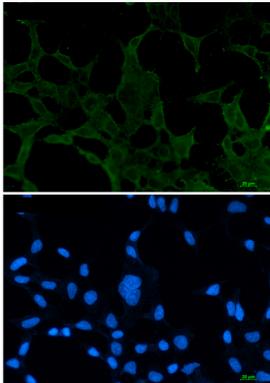
This gene encodes the medium-chain specific (C4 to C12 straight chain) acyl-Coenzyme A dehydrogenase. The homotetramer enzyme catalyzes the initial step of the mitochondrial fatty acid beta-oxidation pathway. Defects in this gene cause medium-

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.

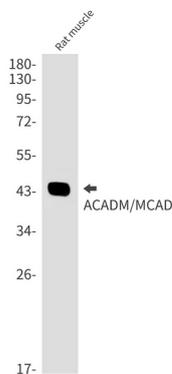
## Research Area

Signal Transduction

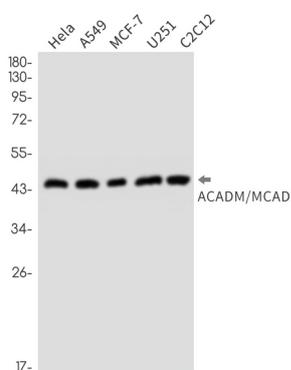
## Image Data



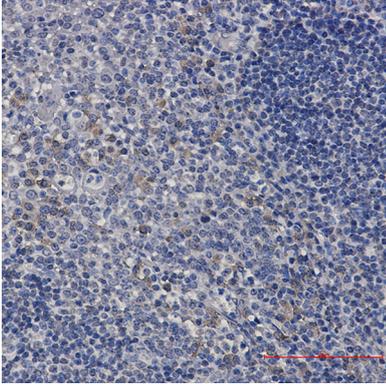
Immunocytochemistry analysis of ACADM (green) in 293T using ACADM antibody, and DAPI (blue).



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



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.