
Product Name: ACADM Rabbit Monoclonal Antibody**Catalog #: AMRe01599**

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,ICC/IF
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	0.51mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000,ICC/IF 1:50-1:200
Molecular Weight	Calculated MW: 47 kDa; Observed MW: 47 kDa

Antigen Information

Gene Name	ACADM
Alternative Names	ACADM; Medium-chain specific acyl-CoA dehydrogenase; mitochondrial; MCAD
Gene ID	34
SwissProt ID	P11310
Immunogen	A synthetic peptide of human ACADM/MCAD

Background

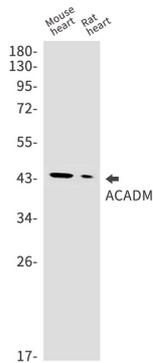
This gene encodes the medium-chain specific (C4 to C12 straight chain) acyl-Coenzyme A dehydrogenase. The homotetramer enzyme catalyzes the initial step of the mitochondrial fatty acid beta-oxidation pathway. Defects in this gene cause medium-

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.

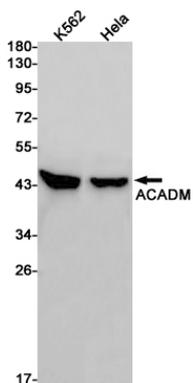
Research Area

Signal Transduction

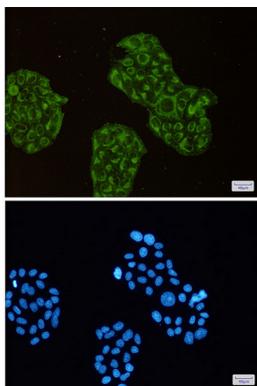
Image Data



Western blot analysis of ACADM in mouse heart, rat heart lysates using ACADM antibody.



Western blot analysis of ACADM in K562, HeLa lysates using ACADM antibody.



Immunocytochemistry analysis of ACADM(green) in HeLa using ACADM antibody, and DAPI(blue)