Product Name: ACADM Rabbit Monoclonal Antibody
Catalog #: AMRe02884

Summary

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

Performance

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

Immunogen

Gene Name	ACADM
Alternative Names	ACADM; Medium-chain specific acyl-CoA dehydrogenase; mitochondrial; MCAD
Gene ID	34
SwissProt ID	P11310

Application

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

Background

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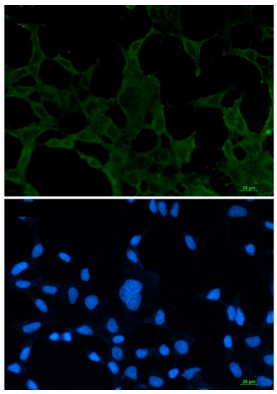
This gene encodes the medium-chain specific (C4 to C12 straight chain) acyl-Coenzyme A dehydrogenase. The homotetramer enzyme catalyzes the initial step of the mitochondrial fatty acid beta-oxidation pathway. Defects in this gene cause medium-chain acyl-CoA dehydrogenase deficiency, a disease characterized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

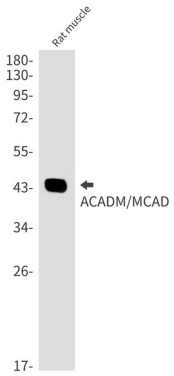
Research Area

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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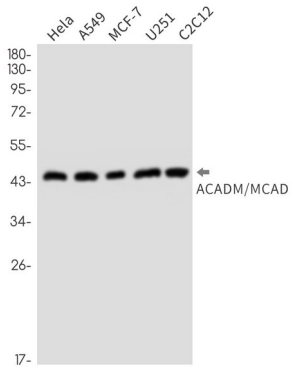
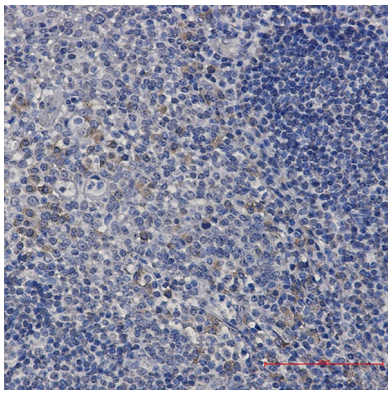


Western blot analysis of ACADM/MCAD in Hela, A549, MCF-7, U251, C2C12 lysates using ACADM/MCAD antibody



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.