

产品名称: ACADM (7K9) Rabbit Monoclonal Antibody
产品货号: AMRe06463



产品概述 (Summary)

产品名称 (Production Name)	ACADM (7K9) Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% protective protein.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	ACADM
别名 (Alternative Names)	ACAD1; Acadm; MCAD; MCADH;
基因 ID (Gene ID)	34.0
蛋白 ID (SwissProt ID)	P11310.A synthetic peptide of human ACADM/MCAD

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:1000-1:5000,IHC 1:200-1:500
蛋白分子量 (Molecular Weight)	47kDa

研究背景 (Background)

This enzyme is specific for acyl chain lengths of 4 to 16. Medium-chain specific acyl-CoA dehydrogenase is one of the acyl-

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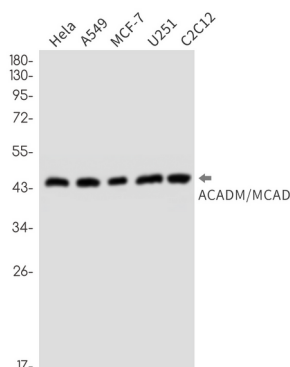


CoA dehydrogenases that catalyze the first step of mitochondrial fatty acid beta-oxidation, an aerobic process breaking down fatty acids into acetyl-CoA and allowing the production of energy from fats (PubMed:1970566, PubMed:8823175, PubMed:21237683, PubMed:2251268). The first step of fatty acid beta-oxidation consists in the removal of one hydrogen from C-2 and C-3 of the straight-chain fatty acyl-CoA thioester, resulting in the formation of trans-2-enoyl-CoA (PubMed:2251268). Electron transfer flavoprotein (ETF) is the electron acceptor that transfers electrons to the main mitochondrial respiratory chain via ETF-ubiquinone oxidoreductase (ETF dehydrogenase) (PubMed:25416781, PubMed:15159392). Among the different mitochondrial acyl-CoA dehydrogenases, medium-chain specific acyl-CoA dehydrogenase acts specifically on acyl-CoAs with saturated 6 to 12 carbons long primary chains (PubMed:1970566, PubMed:8823175, PubMed:21237683, PubMed:2251268).

研究领域 (Research Area)

Signal Transduction

图片 (Image Data)



Western blot detection of ACADM/MCAD in HeLa, A549, MCF-7, U251, C2C12 cell lysates using ACADM/MCAD antibody (1:1000 diluted).

注意事项 (Note)

For research use only.

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