

Anti-MCAD / ACADM Antibody
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18163**Specification**

Anti-MCAD / ACADM Antibody - Product Information

Application	WB, IHC-P
Primary Accession	P11310
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	46588
Dilution	WB~~1:1000 IHC-P~~N/A

Anti-MCAD / ACADM Antibody - Additional Information**Gene ID 34**

Alias Symbol	ACADM
Other Names	
ACADM, ACAD1, MCAD, MCADH	

Target/Specificity
Human MCAD / ACADM**Reconstitution & Storage**
Affinity purified**Precautions**
Anti-MCAD / ACADM Antibody is for research use only and not for use in diagnostic or therapeutic procedures.**Anti-MCAD / ACADM Antibody - Protein Information****Name** ACADM ([HGNC:89](#))**Function**

Medium-chain specific acyl-CoA dehydrogenase is one of the acyl-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:21237683, PubMed:2251268, PubMed:8823175). 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:15159392, PubMed:25416781). 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:21237683, PubMed:2251268, PubMed:8823175).

Cellular Location

Mitochondrion matrix

Anti-MCAD / ACADM Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-MCAD / ACADM Antibody - Images