ACADM Antibody

PRODUCT OVERVIEW

Product Name	ACADM, Antibody
Full Product Name	ACADM Antibody
Product Gene Name	anti-ACADM antibody
Molecular Weight	47,020 Da
OMIM	201450
3D Structure	ModBase 3D Structure for P11310
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-ACADM antibody	MBS8502924 is an antibody targeting ACADM. Also known as ACADM Antibody.
Other Notes	Small volumes of anti-ACADM antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ACADM. It may not necessarily be applicable to this product.

NCBI GI #	4557231
NCBI GeneID	34
NCBI Accession #	NP_000007.1
UniProt Primary Accession #	P11310
UniProt Secondary Accession #	Q5T4U4; Q9NYF1
UniProt Related Accession #	P11310
GenBank Nucleotide #	NM_000016.5
NCBI Official Full Name	medium-chain specific acyl-CoA dehydrogenase, mitochondrial isoform a
NCBI Official Synonym Full Names	acyl-CoA dehydrogenase medium chain
NCBI Official Symbol	ACADM
NCBI Official Synonym Symbols	MCAD; ACAD1; MCADH
UniProt Protein Name	Medium-chain specific acyl-CoA dehydrogenase, mitochondrial
Protein Family	Medium-chain specific acyl-CoA dehydrogenase
UniProt Gene Name	ACADM
UniProt Synonym Gene Names	MCAD
NCBI Protein Information	medium-chain specific acyl-CoA dehydrogenase, mitochondrial

NCBI Summary for ACADM	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. [provided by RefSeq, Jul 2008]
UniProt Comments for ACADM	Acyl-CoA dehydrogenase specific for acyl chain lengths of 4 to 16 that catalyzes the initial step of fatty acid beta-oxidation. Utilizes the electron transfer flavoprotein (ETF) as an electron acceptor to transfer electrons to the main mitochondrial respiratory chain via ETF-ubiquinone oxidoreductase (ETF dehydrogenase).
Research Articles on ACADM	**1.** Our study has revealed the unique genetic backgrounds of MCAD deficiency among Japanese, based on the largest series of non-Caucasian cases.
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