

Rabbit ACADM Polyclonal Antibody | anti-ACADM antibody

ACADM Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326435	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

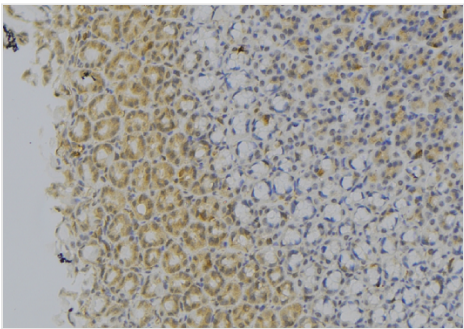
PRODUCT SYNONYMS

ACADM; Polyclonal Antibody; ACADM Antibody; ACAD 1; ACAD1; Acadm; ACADM_HUMAN; Acyl coenzyme A dehydrogenase; Acyl coenzyme A dehydrogenase C 4 to C 12 straight chain; FLJ18227; FLJ93013; FLJ99884; MCAD; MCADH; Medium chain acyl CoA dehydrogenase; Medium chain fatty acyl CoA dehydrogenase; Medium chain specific acyl CoA dehydrogenase; Medium chain specific acyl CoA dehydrogenase mitochondrial; Medium-chain specific acyl-CoA dehydrogenase; mitochondrial; anti-ACADM antibody

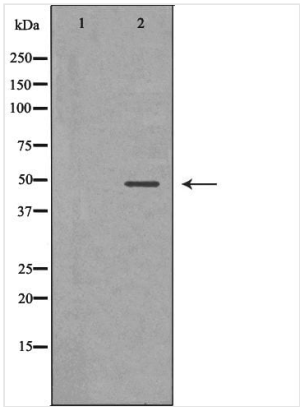
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ACADM antibody detects endogenous levels of total ACADM
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	421
Applicable Applications for anti-ACADM antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ACADM
Subcellular Location	Mitochondrion Matrix.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Rabbit, Dog
Similarity	Pig (89%), Zebrafish (89%), Bovine (100%), Rabbit (100%), Dog (89%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA326435 at 1/100 staining Human gastric tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts of HepG2, using ACADM antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-ACADM antibody	Description: 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. Function: 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). Subunit Structure: Homotetramer. Interacts with the heterodimeric electron transfer flavoprotein ETF. Post-translational Modifications: Acetylation at Lys-307 and Lys-311 in proximity of the cofactor-binding sites reduces catalytic activity (By similarity). These sites are deacetylated by SIRT3. Similarity: Belongs to the acyl-CoA dehydrogenase family.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557231
NCBI GeneID	34
NCBI Accession #	NP_000007.1
NCBI GenBank Nucleotide #	NM_000016.5
UniProt Accession #	P11310; Q5T4U4; Q9NYF1
Molecular Weight	Observed: 46 kDa Predicted: 47 kDa
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
NCBI Protein Information	medium-chain specific acyl-CoA dehydrogenase, mitochondrial
UniProt Protein Name	Medium-chain specific acyl-CoA dehydrogenase, mitochondrial
UniProt Gene Name	ACADM
UniProt Synonym Gene Names	MCAD

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/acadm-antibody-immunohistochemistry-western-blot-elisa/326435>