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Product datasheet for TA331167

ACADM Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-ACADM antibody: synthetic peptide directed towards the N terminal of human ACADM. Synthetic peptide located within the following region: AAGFGRCCRVLRSISRFHWRSQHTKANRQREPGLGFSFEFTEQQKEFQAT
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. *Note that this product is shipped as lyophilized powder to China customers.*
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	46 kDa
Gene Name:	acyl-CoA dehydrogenase, C-4 to C-12 straight chain
Database Link:	NP_000007 Entrez Gene 34 Human P11310

View online »

Background: ACADM Is 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. Clinical phenotypes are associated with ACADM hereditary deficiency.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.

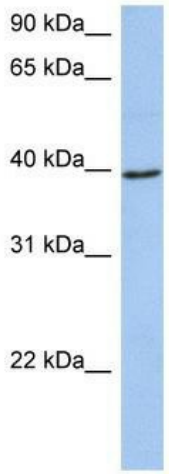
Synonyms: ACAD1; MCAD; MCADH

Note: Human: 100%; Horse: 92%; Bovine: 92%; Rat: 91%; Mouse: 91%

Protein Families: Druggable Genome

Protein Pathways: beta-Alanine metabolism, Fatty acid metabolism, Metabolic pathways, PPAR signaling pathway, Propanoate metabolism, Valine, leucine and isoleucine degradation

Product images:



WB Suggested Anti-ACADM Antibody Titration: 0.2-1 ug/ml; Positive Control: 721_B cell lysateACADM is supported by BioGPS gene expression data to be expressed in 721_B