



Human ACADM blocking peptide (CDBP0283)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-ACADM antibody
Antigen 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. [provided by RefSeq, Jul 2008]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	ACADM acyl-CoA dehydrogenase, C-4 to C-12 straight chain [Homo sapiens]
Official Symbol	ACADM
Synonyms	ACADM; acyl-CoA dehydrogenase, C-4 to C-12 straight chain; acyl Coenzyme A

dehydrogenase, C 4 to C 12 straight chain; medium-chain specific acyl-CoA dehydrogenase, mitochondrial; ACAD1; MCAD; MCADH; acyl-Coenzyme A dehydrogenase, C-4 to C-12 straight chain;

Entrez Gene ID	34
mRNA Refseq	NM_000016
Protein Refseq	NP_000007
UniProt ID	P11310
Chromosome Location	1p31
Pathway	Beta oxidation of decanoyl-CoA to octanoyl-CoA-CoA, organism-specific biosystem; Beta oxidation of octanoyl-CoA to hexanoyl-CoA, organism-specific biosystem; FOXA2 and FOXA3 transcription factor networks, organism-specific biosystem; Fatty Acid Beta Oxidation, organism-specific biosystem; Fatty acid metabolism, organism-specific biosystem; Fatty acid metabolism, conserved biosystem; Fatty acid, triacylglycerol, and ketone body metabolism, organism-specific biosystem;
Function	acryloyl-CoA reductase activity; acyl-CoA dehydrogenase activity; acyl-CoA dehydrogenase activity; acyl-CoA dehydrogenase activity; acyl-CoA dehydrogenase activity; flavin adenine dinucleotide binding; identical protein binding; medium-chain-acyl-CoA dehy