



Anti-ACADVL (aa 345-434) polyclonal antibody (DPAB-DC1749)

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

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is targeted to the inner mitochondrial membrane where it catalyzes the first step of the mitochondrial fatty acid beta-oxidation pathway. This acyl-Coenzyme A dehydrogenase is specific to long-chain and very-long-chain fatty acids. A deficiency in this gene product reduces myocardial fatty acid beta-oxidation and is associated with cardiomyopathy. Alternative splicing results in multiple transcript variants encoding different isoforms.
Immunogen	ACADVL (NP_000009, 345 a.a. ~ 434 a.a) partial recombinant protein with GST tag. The sequence is AAALAGTMRGIIAKAVDHATNRTQFGEKIHNFGLIQEKLARMVMLQYVTESMAYMVSANM DQGATDFQIEAAISKIFGSEAAWKVTDECI
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Cell lysate), WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	ACADVL acyl-CoA dehydrogenase, very long chain [Homo sapiens (human)]
Official Symbol	ACADVL
Synonyms	ACADVL; acyl-CoA dehydrogenase, very long chain; ACAD6; LCACD; VLCAD; very long-chain specific acyl-CoA dehydrogenase, mitochondrial; acyl-Coenzyme A dehydrogenase, very long chain;
Entrez Gene ID	37
Protein Refseq	NP_000009
UniProt ID	P49748
Chromosome Location	17p13.1
Pathway	Beta oxidation of palmitoyl-CoA to myristoyl-CoA; Fatty Acid Beta Oxidation; Fatty acid degradation; Fatty acid metabolism
Function	acyl-CoA dehydrogenase activity; flavin adenine dinucleotide binding; long-chain-acyl-CoA dehydrogenase activity;