



## 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

<b>Antigen Description</b>	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.
<b>Immunogen</b>	ACADVL (NP_000009, 345 a.a. ~ 434 a.a) partial recombinant protein with GST tag. The sequence is  AAALAGTMRGIIAKAVDHATNRTQFGEKIHNFGLIQEKLARMVMLQYVTESMAYMVSANM DQGATDFQIEAAISKIFGSEAAWKVTDECI
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Cell lysate), WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

### GENE INFORMATION

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<b>Gene Name</b>	<a href="#">ACADVL acyl-CoA dehydrogenase, very long chain [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	ACADVL
<b>Synonyms</b>	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;
<b>Entrez Gene ID</b>	<a href="#">37</a>
<b>Protein Refseq</b>	<a href="#">NP_000009</a>
<b>UniProt ID</b>	<a href="#">P49748</a>
<b>Chromosome Location</b>	17p13.1
<b>Pathway</b>	Beta oxidation of palmitoyl-CoA to myristoyl-CoA; Fatty Acid Beta Oxidation; Fatty acid degradation; Fatty acid metabolism
<b>Function</b>	acyl-CoA dehydrogenase activity; flavin adenine dinucleotide binding; long-chain-acyl-CoA dehydrogenase activity;

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