

**ACADVL Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP58258****Specification**

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**ACADVL Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, E
Primary Accession	<a href="#">P49748</a>
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	70390

**ACADVL Polyclonal Antibody - Additional Information****Gene ID** 37**Other Names**

Very long-chain specific acyl-CoA dehydrogenase, mitochondrial, VLCAD, 1.3.8.9, ACADVL (<a href="http://www.genenames.org/cgi-bin/gene\_symbol\_report?hgnc\_id=92" target="\_blank">HGNC:92</a>)

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glycerol

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**ACADVL Polyclonal Antibody - Protein Information****Name** ACADVL ([HGNC:92](#))**Function**

Very long-chain specific acyl-CoA dehydrogenase is one of the acyl-CoA dehydrogenases that catalyze the first step of mitochondrial fatty acid beta-oxidation, an aerobic process breaking down fatty acids into acetyl-CoA and allowing the production of energy from fats (PubMed:<a href="http://www.uniprot.org/citations/18227065" target="\_blank">18227065</a>, PubMed:<a href="http://www.uniprot.org/citations/7668252" target="\_blank">7668252</a>, PubMed:<a href="http://www.uniprot.org/citations/9461620" target="\_blank">9461620</a>, PubMed:<a href="http://www.uniprot.org/citations/9599005" target="\_blank">9599005</a>, PubMed:<a href="http://www.uniprot.org/citations/9839948" target="\_blank">9839948</a>). The first step of fatty acid beta-oxidation consists in the removal of one hydrogen from C-2 and C-3 of the straight-chain fatty acyl-CoA thioester, resulting in the formation of trans-2-enoyl-CoA (PubMed:<a href="http://www.uniprot.org/citations/18227065" target="\_blank">18227065</a>, PubMed:<a href="http://www.uniprot.org/citations/7668252" target="\_blank">7668252</a>, PubMed:<a href="http://www.uniprot.org/citations/9461620" target="\_blank">9461620</a>, PubMed:<a href="http://www.uniprot.org/citations/9839948" target="\_blank">9839948</a>).

Among the different mitochondrial acyl-CoA dehydrogenases, very long- chain specific acyl-CoA dehydrogenase acts specifically on acyl-CoAs with saturated 12 to 24 carbons long primary chains (PubMed:<a href="http://www.uniprot.org/citations/21237683" target="\_blank">21237683</a>, PubMed:<a href="http://www.uniprot.org/citations/9839948" target="\_blank">9839948</a>).

**Cellular Location**

Mitochondrion inner membrane; Peripheral membrane protein

**Tissue Location**

Predominantly expressed in heart and skeletal muscle (at protein level). Also detected in kidney and liver (at protein level).

**ACADVL Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**ACADVL Polyclonal Antibody - Images**