

ACADVL Polyclonal Antibody
Purified Rabbit Polyclonal Antibody
Catalog # ABV11520**Specification**

ACADVL Polyclonal Antibody - Product Information

Application	WB
Primary Accession	P45953
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	70749

ACADVL Polyclonal Antibody - Additional Information**Gene ID** 25363**Other Names**

Very long-chain specific acyl-CoA dehydrogenase, VLCAD

Target/Specificity

ACADVL

Formulation

100 µg (0.5 mg/ml) affinity purified rabbit anti-ACAD-9 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 5 mM EDTA and 0.01% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Background Descriptions**Precautions**

ACADVL Polyclonal Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

ACADVL Polyclonal Antibody - Protein Information**Name** Acadvl {ECO:0000312|RGD:2014}**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:8034667, PubMed:1730632). 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:8034667, PubMed:1730632). 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:1730632).

Cellular Location

Mitochondrion inner membrane; Peripheral membrane protein {ECO:0000250|UniProtKB:P49748}

Tissue Location

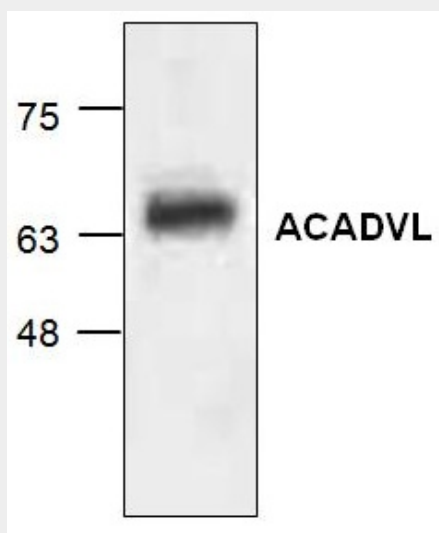
Widely expressed (at protein level).

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



Western blot analysis of ACADVL with rat kidney tissue lysate.

ACADVL Polyclonal Antibody - Background

Acyl-CoA dehydrogenase, very long chain (ACADVL) is a member of the acyl-CoA dehydrogenases family. ACADVL is an inner mitochondrial membrane protein that catalyzes the first step of the mitochondrial fatty acid beta-oxidation pathway. A deficiency of ACADVL reduces myocardial fatty acid beta-oxidation and is associated with cardiomyopathy.