

ACADVL Blocking Peptide
Catalog # PBV10095b**Specification**

ACADVL Blocking Peptide - Product Information

Primary Accession	P45953
Gene ID	25363
Calculated MW	70749

ACADVL Blocking Peptide - Additional Information**Gene ID** 25363**Application & Usage**

The peptide is used for blocking the antibody activity of ACADVL. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30-60 minutes at 37°C.

Other Names

Very long-chain specific acyl-CoA dehydrogenase, mitochondrial, VLCAD, 1.3.8.9, Acadvl, Vlcad

Target/Specificity

ACADVL

Formulation

50 µg (0.5 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA and 0.02% thimerosal.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

ACADVL Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

ACADVL Blocking Peptide - 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:<a

[1730632](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/8034667), PubMed:[1730632](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/1730632)).

Cellular Location

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

Tissue Location

Widely expressed (at protein level).

ACADVL Blocking Peptide - 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 Blocking Peptide - Images