

ACADSB Blocking Peptide
Catalog # PBV10064b**Specification**

ACADSB Blocking Peptide - Product Information

Primary Accession	Q9DBL1
Gene ID	66885
Calculated MW	47874

ACADSB Blocking Peptide - Additional Information**Gene ID** 66885**Application & Usage**

The peptide is used for blocking the antibody activity of ACADSB. 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

Short/branched chain specific acyl-CoA dehydrogenase, mitochondrial, SBCAD, 1.3.8.5, 2-methyl branched chain acyl-CoA dehydrogenase, 2-MEBCAD, 2-methylbutyryl-coenzyme A dehydrogenase, 2-methylbutyryl-CoA dehydrogenase, Acadsb

Target/Specificity

ACADSB

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**

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

ACADSB Blocking Peptide - Protein Information**Name** Acadsb {ECO:0000312|MGI:MGI:1914135}**Function**

Short and branched chain specific acyl-CoA dehydrogenase that catalyzes the removal of one hydrogen from C-2 and C-3 of the fatty acyl-CoA thioester, resulting in the formation of

trans-2-enoyl-CoA. Among the different mitochondrial acyl-CoA dehydrogenases, acts specifically on short and branched chain acyl-CoA derivatives such as (S)-2-methylbutyryl-CoA as well as short straight chain acyl-CoAs such as butyryl-CoA (By similarity). Plays an important role in the metabolism of L-isoleucine by catalyzing the dehydrogenation of 2- methylbutyryl-CoA, one of the steps of the L-isoleucine catabolic pathway (By similarity). Can also act on valproyl-CoA, a metabolite of the valproic acid drug (By similarity).

Cellular Location

Mitochondrion matrix {ECO:0000250|UniProtKB:P45954}

ACADSB 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](#)

ACADSB Blocking Peptide - Images