

ACADS Blocking Peptide

Catalog # PBV10224b

Specification

ACADS Blocking Peptide - Product Information

Primary Accession P15651
Gene ID 64304
Calculated MW 44765

ACADS Blocking Peptide - Additional Information

Gene ID 64304

Application & Usage The peptide is used for blocking the

antibody activity of ACADS. 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-chain specific acyl-CoA dehydrogenase, mitochondrial, SCAD, 1.3.8.1, Butyryl-CoA dehydrogenase, Acads

Target/Specificity

ACADS

Formulation

 $50~\mu g$ (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

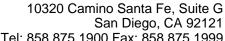
ACADS Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

ACADS Blocking Peptide - Protein Information

Name Acads

Function

Short-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



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href="http://www.uniprot.org/citations/3968063" target="_blank">3968063). 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:3968063). Among the different mitochondrial acyl-CoA dehydrogenases, short-chain specific acyl-CoA dehydrogenase acts specifically on acyl-CoAs with saturated 4 to 6 carbons long primary chains (PubMed:3968063).

Cellular Location

Mitochondrion matrix {ECO:0000250|UniProtKB:Q3ZBF6}

ACADS Blocking Peptide - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ACADS Blocking Peptide - Images