10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ACAD-9 Blocking Peptide

Catalog # PBV10094b

Specification

ACAD-9 Blocking Peptide - Product Information

Primary Accession	B1WC61
Gene ID	294973
Calculated MW	68843

ACAD-9 Blocking Peptide - Additional Information

Gene ID 294973

Application & Usage

The peptide is used for blocking the antibody activity of ACAD-9. 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.

Target/Specificity
ACAD-9

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
ACAD-9 Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

ACAD-9 Blocking Peptide - Protein Information

Name Acad9 {ECO:0000312|RGD:727973}

Function
As part of the MCIA complex, primarily participates in the assembly of the mitochondrial complex I and therefore plays a role in oxidative phosphorylation. This moonlighting protein has also a dehydrogenase activity toward a broad range of substrates with greater specificity for long-chain unsaturated acyl-CoAs. However, in vivo, it does not seem to play a primary role in fatty acid oxidation. In addition, the function in complex I assembly is independent of the dehydrogenase activity of the protein.

Cellular Location
Mitochondrion inner membrane {ECO:0000250|UniProtKB:Q9H845}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q9H845}; Matrix side {ECO:0000250|UniProtKB:Q9H845}. Note=Essentially associated with membranes. {ECO:0000250|UniProtKB:Q9H845}

ACAD-9 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 Cytomety
- Cell Culture

ACAD-9 Blocking Peptide - Images