

### **ACAD-9 Blocking Peptide**

Catalog # PBV10094b

# **Specification**

### **ACAD-9 Blocking Peptide - Product Information**

Primary Accession
Gene ID
Calculated MW
B1WC61
294973
C8843

## **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**

 $50~\mu g$  (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**

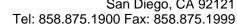
ACAD-9 Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

### **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
- <u>Immunohistochemistry</u>
- <u>Immunofluorescence</u>
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

**ACAD-9 Blocking Peptide - Images**