

**ACAD-9 Blocking Peptide**  
**Catalog # PBV10094b****Specification**

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

Primary Accession	<a href="#">B1WC61</a>
Gene ID	<b>294973</b>
Calculated MW	<b>68843</b>

**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 Cytometry](#)
- [Cell Culture](#)

**ACAD-9 Blocking Peptide - Images**