

**ACAD-9 Antibody**  
**Purified Rabbit Polyclonal Antibody**  
**Catalog # ABV11519****Specification**

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**ACAD-9 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">B1WC61</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	68843

**ACAD-9 Antibody - Additional Information****Gene ID** 294973**Other Names**  
ACAD9 protein**Target/Specificity**  
ACAD-9**Formulation**  
100 µg (0.5 mg/ml) affinity purified rabbit anti-ACAD-9 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 5 mM EDTA and 0.01% thimerosal.**Handling**  
The antibody solution should be gently mixed before use.**Background Descriptions****Precautions**  
ACAD-9 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.**ACAD-9 Antibody - Protein Information****Name** Acad9 {ECO:0000312|RGD:727973}**Function**  
As part of the MC1A 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**

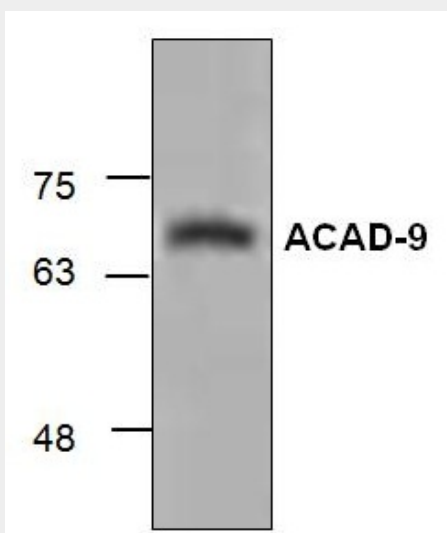
Mitochondrion inner membrane {ECO:0000250|UniProtKB:Q9H845}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q9H845}; Matrix side {ECO:0000250|UniProtKB:Q9H845}.

Note=Essentially associated with membranes. {ECO:0000250|UniProtKB:Q9H845}

**ACAD-9 Antibody - 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 Antibody - Images**

Western blot analysis of ACAD9 with Jurkat cell lysate.

**ACAD-9 Antibody - Background**

ACAD-9 is a member of the acyl-CoA dehydrogenase family (ACAD). ACAD-9 is localized to the mitochondria and plays a key role in the  $\beta$ -oxidation of long-chain unsaturated fatty acids. ACAD-9 is active toward palmitoyl-CoA and stearoyl-CoA substrates.