

**ACN9 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP11049a****Specification**

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**ACN9 Antibody (N-term) - Product Information**

Application	WB, IHC-P,E
Primary Accession	<a href="#">Q9NRP4</a>
Other Accession	<a href="#">NP_064571.1</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	14652
Antigen Region	13-42

**ACN9 Antibody (N-term) - Additional Information****Gene ID** 57001**Other Names**

Succinate dehydrogenase assembly factor 3, mitochondrial, ACN9 (<a href="http://www.genenames.org/cgi-bin/gene\_symbol\_report?hgnc\_id=21752" target="\_blank">HGNC:21752</a>)

**Target/Specificity**

This ACN9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 13-42 amino acids from the N-terminal region of human ACN9.

**Dilution**

WB~~1:1000  
IHC-P~~1:50~100

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

ACN9 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**ACN9 Antibody (N-term) - Protein Information****Name** SDHAF3 ([HGNC:21752](#))

**Function** Plays an essential role in the assembly of succinate dehydrogenase (SDH), an enzyme complex (also referred to as respiratory complex II) that is a component of both the tricarboxylic acid (TCA) cycle and the mitochondrial electron transport chain, and which couples the oxidation of succinate to fumarate with the reduction of ubiquinone (coenzyme Q) to ubiquinol. Promotes maturation of the iron-sulfur protein subunit SDHB of the SDH catalytic dimer, protecting it from the deleterious effects of oxidants. May act together with SDHAF1.

**Cellular Location**

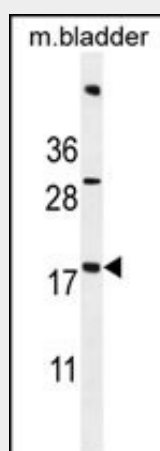
Mitochondrion matrix {ECO:0000250|UniProtKB:Q04401}

**ACN9 Antibody (N-term) - Protocols**

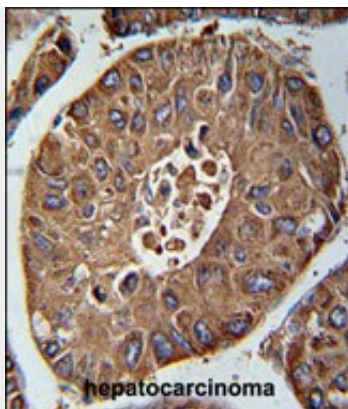
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**ACN9 Antibody (N-term) - Images**



ACN9 Antibody (N-term) (Cat. #AP11049a) western blot analysis in mouse bladder tissue lysates (35ug/lane). This demonstrates the ACN9 antibody detected the ACN9 protein (arrow).



ACN9 Antibody (N-term) (Cat. #AP11049a) immunohistochemistry analysis in formalin fixed and paraffin embedded human hepatocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ACN9 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

#### **ACN9 Antibody (N-term) - References**

Bailey, S.D., et al. Diabetes Care (2010) In press :  
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)  
Dick, D.M., et al. Biol. Psychiatry 63(11):1047-1053(2008)  
Dennis, R.A., et al. Eur. J. Biochem. 261(1):236-243(1999)