

**Atp5f1 antibody - N-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI12887****Specification**

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**Atp5f1 antibody - N-terminal region - Product Information**

Application	WB
Primary Accession	<a href="#">O9CQO7</a>
Other Accession	<a href="#">NM_009725</a> , <a href="#">NP_033855</a>
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Zebrafish, Pig, Chicken, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	29kDa KDa

**Atp5f1 antibody - N-terminal region - Additional Information****Gene ID** 11950**Alias Symbol** **C76477****Other Names**

ATP synthase F(0) complex subunit B1, mitochondrial, ATP synthase subunit b, ATPase subunit b, Atp5f1

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 ul of distilled water. Final anti-Atp5f1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

Atp5f1 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**Atp5f1 antibody - N-terminal region - Protein Information****Name** Atp5pb {ECO:0000250|UniProtKB:P24539}**Synonyms** Atp5f1**Function**

Mitochondrial membrane ATP synthase (F(1)F(0) ATP synthase or Complex V) produces ATP from ADP in the presence of a proton gradient across the membrane which is generated by electron transport complexes of the respiratory chain. F-type ATPases consist of two structural domains, F(1) - containing the extramembraneous catalytic core, and F(0) - containing the membrane

proton channel, linked together by a central stalk and a peripheral stalk. During catalysis, ATP synthesis in the catalytic domain of F(1) is coupled via a rotary mechanism of the central stalk subunits to proton translocation. Part of the complex F(0) domain and the peripheral stalk, which acts as a stator to hold the catalytic  $\alpha(3)\beta(3)$  subcomplex and subunit  $a/ATP6$  static relative to the rotary elements.

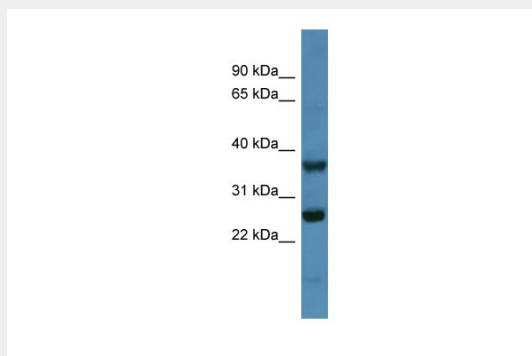
**Cellular Location**

Mitochondrion. Mitochondrion inner membrane.

**Atp5f1 antibody - N-terminal region - 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](#)

**Atp5f1 antibody - N-terminal region - Images**

WB Suggested Anti-Atp5f1 Antibody Titration: 0.2-1  $\mu\text{g/ml}$

ELISA Titer: 1:1562500

Positive Control: Mouse Heart