10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Atp5f1 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI12887

Product Information

Application	WB
Primary Accession	Q9CQQ7
Other Accession	NM_009725, NP_033855
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Zebrafish, Pig, Chicken, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	28949

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.

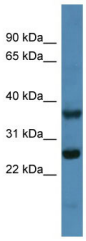
Protein Information

Name	Atp5pb {ECO:0000250|UniProtKB:P24539}
Synonyms	Atp5f1
Function	Subunit b, of the mitochondrial membrane ATP synthase complex (F(1)F(0) ATP synthase or Complex V) that 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. ATP synthase complex consist of a soluble F(1) head domain - the catalytic core - and a membrane F(1) domain - the membrane proton channel. These two domains are linked by a central stalk rotating inside the F(1) region and a stationary 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 (By similarity). In vivo, can only synthesize ATP although its ATP hydrolase activity can be activated artificially in vitro (By similarity). Part of the complex F(0) domain (By similarity). Part of the complex F(0) domain and the peripheric 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 (By similarity).

Cellular Location Mitochondrion. Mitochondrion inner membrane.

Images



WB Suggested Anti-Atp5f1 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:1562500
Positive Control: Mouse Heart