

## Datasheet for ABIN928241

# anti-ATP5F1 antibody (N-Term)





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Overview		
Quantity:	100 μL	
Target:	ATP5F1	
Binding Specificity:	N-Term	
Reactivity:	Human, Mouse	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This ATP5F1 antibody is un-conjugated	
Application:	Western Blotting (WB)	
Product Details		
Immunogen:	Atp5 f1 antibody was raised in rabbit using the N terminal of Atp5 1 as the immunogen	
Cross-Reactivity:	Mouse (Murine)	
Purification:	Purified	
Target Details		
Target:	ATP5F1	
Alternative Name:	Atp5f1 (ATP5F1 Products)	
Background:	Mitochondrial membrane ATP synthase (F1F0 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, F1 - containing the extramembraneous catalytic core, and F0 - containing the	

#### **Target Details**

membrane proton channel, linked together by a central stalk and a peripheral stalk. During catalysis, ATP synthesis in the catalytic domain of F1 is coupled via a rotary mechanism of the central stalk subunits to proton translocation. Part of the complex F0 domain and the peripheric stalk, which acts as a stator to hold the catalytic alpha3beta3 subcomplex and subunit a/ATP6 static relative to the rotary elements. Synonyms: Polyclonal Atp5f1 antibody, Anti-Atp5f1 antibody, ATP synthase, H+ transporting, mitochondrial F0 complex, subunit b, isoform 1 antibody, C76477 antibody.

Pathways:

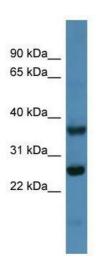
Proton Transport, Ribonucleoside Biosynthetic Process

### **Application Details**

Application Notes:	WB: 0.2-1 μg/mL
	Optimal conditions should be determined by the investigator.
Comment:	Atp5f1 Blocking Peptide, catalog no. 33R-7263, is also available for use as a blocking control in assays to test for specificity of this Atp5f1 antibody
Restrictions:	For Research Use only

### Handling

Format:	Lyophilized	
Concentration:	Lot specific	
Buffer:	Lyophilized powder. Add 50 $\mu$ L of distilled water. Final antibody concentration is 1 mg/mL in PBS buffer.	
Handling Advice:	Avoid repeated freeze/thaw cycles.	
Storage:	4 °C/-20 °C	
Storage Comment:	Store at 4 °C, following reconstitution, aliquot and store at -20 °C.	



### **Western Blotting**

**Image 1.** Western Blot showing Atp5f1 antibody used at a concentration of 1-2 ug/ml to detect its target protein.