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# Datasheet for ABIN7073141 anti-ATP5G1 antibody

8 Images



#### Overview

Quantity:	100 μL
Target:	ATP5G1
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP5G1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)
Product Details	
Immunogen:	KLH conjugated Synthetic peptide corresponding to Mouse ATP5A
Cross-Reactivity:	Rat
Purification:	Affinity purification

### Target Details

Target:	ATP5G1
Alternative Name:	ATP5A (ATP5G1 Products)
Background:	ATP5J (ATP synthase, H+ transporting, mitochondrial F0 complex, subunit F6) is a multisubunit
	membrane-bound enzyme complex consisting of an F0 segment embedded in the membrane
	and an F1 segment attached to the F0. It is also a component of mitochondrial ATP synthase
	which is required for the interactions of the catalytic and proton-translocating segments.
	Human ATP5J shares 72 % sequence identity with rat ATP5J. This signal peptide is rich in

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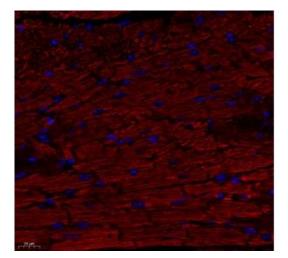
## Target Details

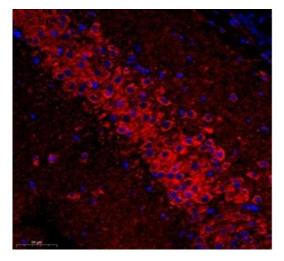
	basic amino acids, devoid of acidic amino acids, and amphiphilic, which allows it to be water-
	soluble yet capable of passage through the phospholipid membrane bilayers. Moreover, it is
	circulating and functions as an endogenous vasoconstrictor by inhibiting cytosolic
	phospholipase A2.
Molecular Weight:	50 kDa
Gene ID:	11946
NCBI Accession:	NP_031531
UniProt:	Q03265
Pathways:	Proton Transport, Ribonucleoside Biosynthetic Process
Application Details	
Application Notes:	WB (M,R) 1:500-1:1000, IHC/IF (M,R) 1:300-1:600
Application Notes: Restrictions:	WB (M,R) 1:500-1:1000, IHC/IF (M,R) 1:300-1:600 For Research Use only
Restrictions:	
Restrictions:	
Restrictions: Handling	For Research Use only
Restrictions: Handling Format:	For Research Use only Liquid
Restrictions: Handling Format: Buffer:	For Research Use only       Liquid       PBS, pH 7.4, 0.02 % sodium azide
Restrictions: Handling Format: Buffer: Preservative:	For Research Use only       Liquid       PBS, pH 7.4, 0.02 % sodium azide       Sodium azide



### Western Blotting

**Image 1.** Western blot analysis of ATP5A1 (ABIN7073141) at dilution of 1: 500





#### Immunofluorescence (Paraffin-embedded Sections)

**Image 2.** Immunofluorescence of paraffin embedded mouse heart using ATP5A1 (ABIN7073141) at dilution of 1: 300 (400x lens)

#### Immunofluorescence (Paraffin-embedded Sections)

**Image 3.** Immunofluorescence of paraffin embedded mouse hippocampus using ATP5A1 (ABIN7073141) at dilution of 1: 300 (300x lens)

Please check the product details page for more images. Overall 8 images are available for ABIN7073141.

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