

Datasheet for ABIN6260141  
**anti-ATP5B antibody (Internal Region)**

## 3 Images

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## Overview

Quantity:	100 µL
Target:	ATP5B
Binding Specificity:	Internal Region
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP5B antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

## Product Details

Immunogen:	A synthesized peptide derived from human ATPB, corresponding to a region within the internal amino acids.
Isotype:	IgG
Specificity:	ATPB Antibody detects endogenous levels of total ATPB.
Predicted Reactivity:	Pig,Bovine,Horse,Rabbit,Chicken
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

## Target Details

Target:	ATP5B
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## Target Details

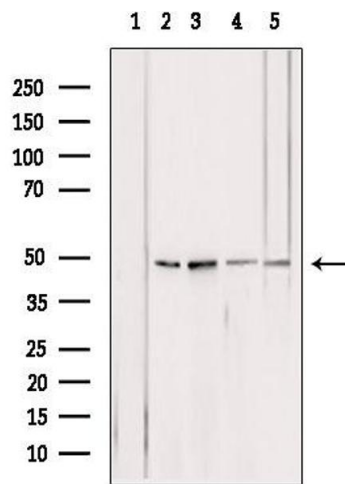
Alternative Name:	ATP5B ( <a href="#">ATP5B Products</a> )
Background:	<p>Description: Mitochondrial membrane ATP synthase (F1F0 ATP synthase or Complex V) produces ATP from ADP in the presence of a proton gradient across the membrane which is generated by electron transport complexes of the respiratory chain. F-type ATPases consist of two structural domains, F1 - containing the extramembraneous catalytic core, and F0 - containing the 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. Subunits alpha and beta form the catalytic core in F1. Rotation of the central stalk against the surrounding alpha3beta3 subunits leads to hydrolysis of ATP in three separate catalytic sites on the beta subunits.</p> <p>Gene: ATP5B</p>
Molecular Weight:	45-57 kDa
Gene ID:	506
UniProt:	<a href="#">P06576</a>
Pathways:	<a href="#">Proton Transport</a> , <a href="#">Ribonucleoside Biosynthetic Process</a>

## Application Details

Application Notes:	WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500
Restrictions:	For Research Use only

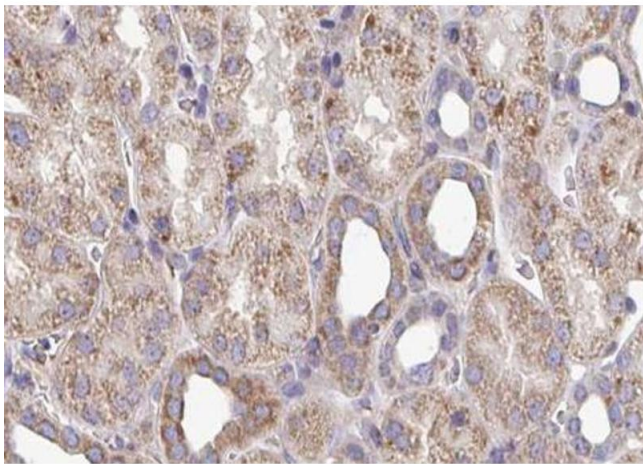
## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.



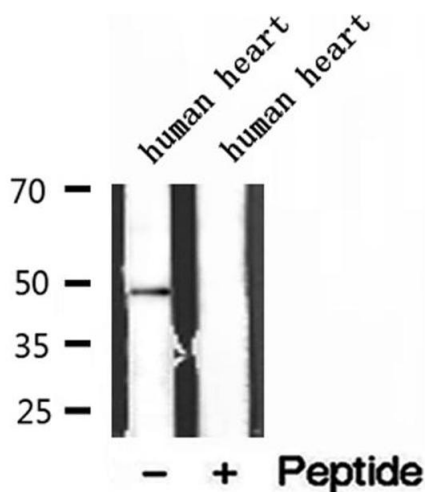
Western Blotting

**Image 1.** Western blot analysis of extracts from various samples, using ATPB antibody. Lane 1: HepG2 treated with blocking peptide. Lane 2: HepG2; Lane 3: 293; Lane 4: mouse brain; Lane 5: rat muscle;



Immunohistochemistry

**Image 2.** ABIN6272955 at 1/100 staining Mouse kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



Western Blotting

**Image 3.** Western blot analysis of extracts of human heart tissue, using ATPB antibody.