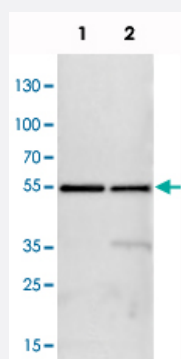


# ATP5B polyclonal antibody

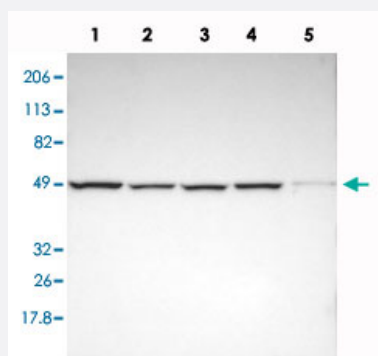
Catalog # PAB28383      Size 100 uL

## Applications



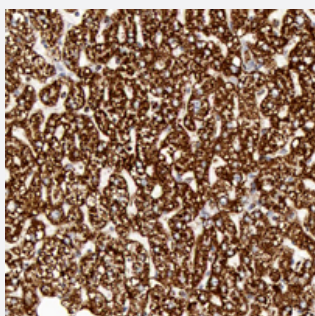
### Western Blot (Cell lysate)

Western blot analysis of Lane 1: NIH-3T3 cell lysate (Mouse embryonic fibroblast cells), Lane 2: NBT-II cell lysate (Rat Wistar bladder tumour cells) with ATP5B polyclonal antibody (Cat # PAB28383) at 1:100-1:500 dilution.



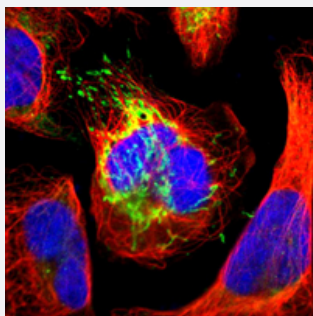
### Western Blot

Western blot analysis of Lane 1: RT-4, Lane 2: U-251 MG, Lane 3: A-431, Lane 4: Liver, Lane 5: Tonsil with ATP5B polyclonal antibody (Cat # PAB28383) at 1:100-1:250 dilution.



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human liver with ATP5B polyclonal antibody (Cat # PAB28383) shows strong cytoplasmic positivity in hepatocytes at 1:50-1:200 dilution.



## Immunofluorescence

Immunofluorescent staining of human cell line U-2 OS with ATP5B polyclonal antibody (Cat # PAB28383) at 1-4 ug/ml shows positivity in mitochondria.

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against recombinant ATP5B.
<b>Immunogen</b>	Recombinant protein corresponding to amino acids of human ATP5B.
<b>Sequence</b>	LTGLTVAEYFRDQEGQDVLLFIDNIFRFTQAGSEVSALLGRIPSAVGYQPTLATDMGTMQERITTTK KGSITSVQAIYVPADDLTDPAPATTFAHLDTTVLSRAIAELGIYPAVDPLDSTSRIMDPNIVGSEHY DVAR
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse, Rat
<b>Form</b>	Liquid
<b>Purification</b>	Antigen affinity purification
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	Western Blot (1:100-1:250) Immunofluorescence (1-4 ug/ml) Immunohistochemistry (1:50-1:200) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

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## Gene Info — ATP5B

Entrez GeneID	<a href="#">506</a>
Gene Name	ATP5B
Gene Alias	ATPMB, ATPSB, MGC5231
Gene Description	ATP synthase, H <sup>+</sup> transporting, mitochondrial F1 complex, beta polypeptide
Omim ID	<a href="#">102910</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	This gene encodes a subunit of mitochondrial ATP synthase. Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. ATP synthase is composed of two linked multi-subunit complexes: the soluble catalytic core, F1, and the membrane-spanning component, Fo, comprising the proton channel. The catalytic portion of mitochondrial ATP synthase consists of 5 different subunits (alpha, beta, gamma, delta, and epsilon) assembled with a stoichiometry of 3 alpha, 3 beta, and a single representative of the other 3. The proton channel consists of three main subunits (a, b, c). This gene encodes the beta subunit of the catalytic core. [provided by RefSeq]
Other Designations	ATP synthase, H <sup>+</sup> transporting, mitochondrial F1 complex, beta subunit mitochondrial ATP synthase, beta subunit

## Pathway

- [Metabolic pathways](#)
- [Oxidative phosphorylation](#)

## Disease

- [Coronary Artery Disease](#)