

# ATP5B Rabbit Polyclonal Antibody



CAB5769

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## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

57kDa

### Calculated MW:

56kDa

### Applications:

WB IHC IF

### Reactivity:

Human, Mouse, Rat

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50  
- 1:200 IF 1:50 - 1:200

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein Background

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.

## Immunogen information

### Gene ID:

506

### Uniprot

P06576

### Synonyms:

ATP5B; ATPMB; ATPSB; HEL-S-271

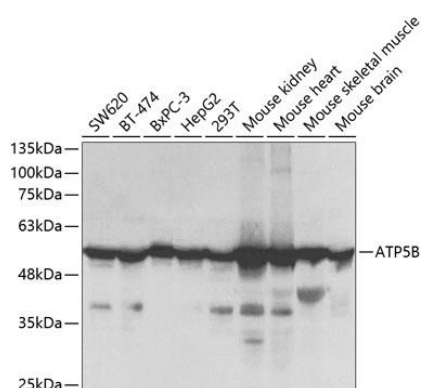
### Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 230-529 of human ATP5B (NP\_001677.2).

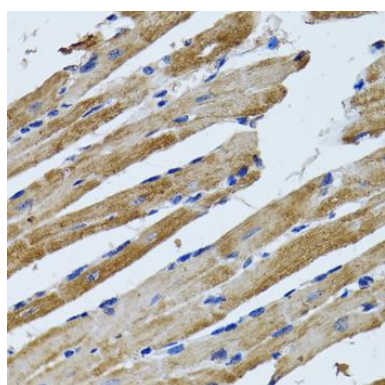
### Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

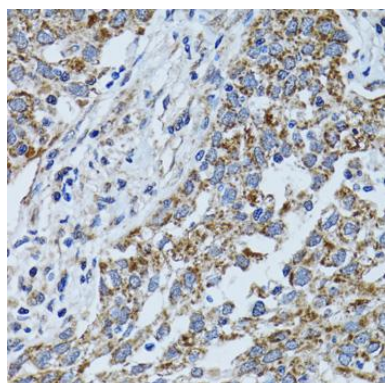
## Product Images



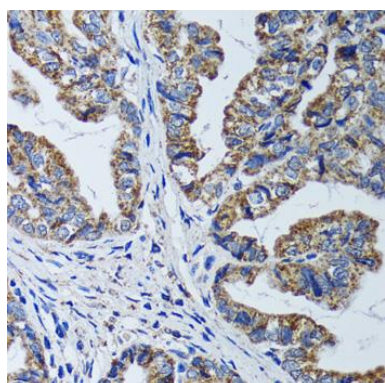
Western blot analysis of extracts of various cell lines, using ATP5B Antibody (CAB5769) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 3s.



Immunohistochemistry of paraffin-embedded rat heart using ATP5B antibody (CAB5769) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human lung cancer using ATP5B antibody (CAB5769) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human gastric cancer using ATP5B antibody (CAB5769) at dilution of 1:100 (40x lens).