

# ATP5A1 Rabbit Polyclonal Antibody



CAB5884

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

53kDa

### Calculated MW:

54kDa/57kDa/59kDa

### Applications:

WB IHC IF IP

### Reactivity:

Human, Mouse, Rat

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50  
- 1:200 IF 1:50 - 1:100 IP  
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, using 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 alpha subunit of the catalytic core. Alternatively spliced transcript variants encoding the different isoforms have been identified. Pseudogenes of this gene are located on chromosomes 9, 2, and 16.

## Immunogen information

### Gene ID:

498

### Uniprot

P25705

### Synonyms:

ATP5A1; ATP5A; ATP5AL2; ATPM; COXPD22; HEL-S-123m;  
MC5DN4; MOM2; OMR; ORM; hATP1

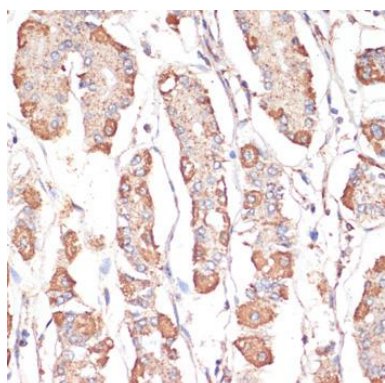
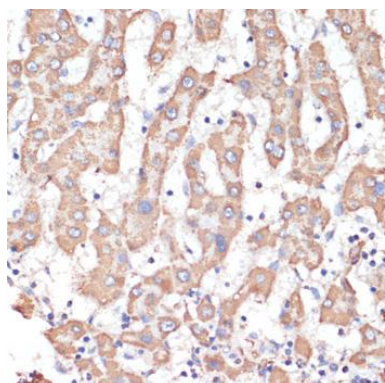
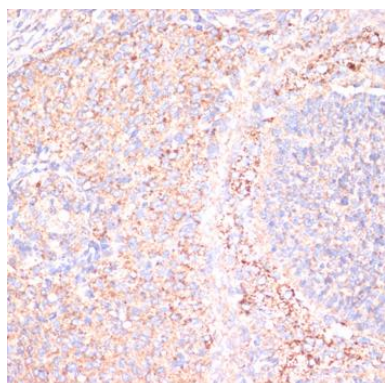
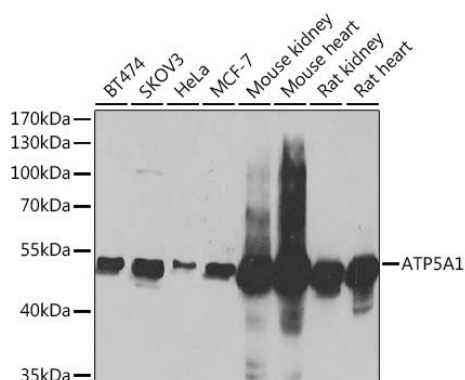
### Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 1-280 of human ATP5A1 (NP\_004037.1).

### 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 ATP5A1 Antibody (CAB5884) 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: 1s.

Immunohistochemistry of paraffin-embedded rat ovary using ATP5A1 antibody (CAB5884) at dilution of 1:100 (40x lens).

Immunohistochemistry of paraffin-embedded human liver cancer using ATP5A1 antibody (CAB5884) at dilution of 1:100 (40x lens).

Immunohistochemistry of paraffin-embedded human stomach using ATP5A1 antibody (CAB5884) at dilution of 1:100 (40x lens).