

# ATP4B Rabbit pAb

Catalog NO.: A10106

## Basic Information

### Observed MW

35kDa

### Calculated MW

33kDa

### Category

Polyclonal Antibodies

### Applications

WB, ELISA

### Cross-Reactivity

Human, Mouse, Rat

### Conjugation

Unconjugated

## Background

The protein encoded by this gene belongs to a family of P-type cation-transporting ATPases. The gastric H<sup>+</sup>, K<sup>+</sup>-ATPase is a heterodimer consisting of a high molecular weight catalytic alpha subunit and a smaller but heavily glycosylated beta subunit. This enzyme is a proton pump that catalyzes the hydrolysis of ATP coupled with the exchange of H<sup>(+)</sup> and K<sup>(+)</sup> ions across the plasma membrane. It is also responsible for gastric acid secretion. This gene encodes the beta subunit of the gastric H<sup>+</sup>, K<sup>+</sup>-ATPase.

## Recommended Dilutions

**WB** 1:500 - 1:2000

### ELISA

Recommended starting concentration is 1 µg/mL.  
Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

496

### Swiss Prot

P51164

### Immunogen

Recombinant protein (or fragment).This information is considered to be commercially sensitive.

### Synonyms

ATP6B; ATP4B

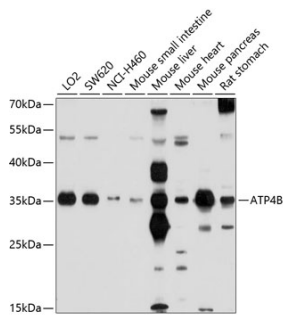
## Contact

## Product Information

|                                     |  |                      |
|-------------------------------------|--|----------------------|
| <input checked="" type="checkbox"/> |  | order@abclonal.com   |
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|                                                                                                                                       |                |                       |
|---------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------------|
| <b>Source</b>                                                                                                                         | <b>Isotype</b> | <b>Purification</b>   |
| Rabbit                                                                                                                                | IgG            | Affinity purification |
| <b>Storage</b>                                                                                                                        |                |                       |
| Store at -20°C. Avoid freeze / thaw cycles.                                                                                           |                |                       |
| Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3. |                |                       |

## Validation Data



Western blot analysis of various lysates using ATP4B Rabbit pAb (A10106) at 1:1000 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 30s.

