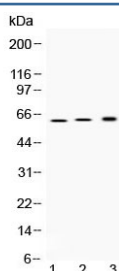


## ATP4B Antibody / Gastric hydrogen potassium ATPase beta (R32734)

| Catalog No. | Formulation                                           | Size   |
|-------------|-------------------------------------------------------|--------|
| R32734      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

|                           |                                                            |
|---------------------------|------------------------------------------------------------|
| <b>Availability</b>       | 1-3 business days                                          |
| <b>Species Reactivity</b> | Human, Mouse, Rat                                          |
| <b>Format</b>             | Antigen affinity purified                                  |
| <b>Clonality</b>          | Polyclonal (rabbit origin)                                 |
| <b>Isotype</b>            | Rabbit IgG                                                 |
| <b>Purity</b>             | Antigen affinity                                           |
| <b>Buffer</b>             | Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide |
| <b>UniProt</b>            | P51164                                                     |
| <b>Applications</b>       | Western Blot : 0.5-1ug/ml                                  |
| <b>Limitations</b>        | This ATP4B antibody is available for research use only.    |



Western blot testing of 1) rat stomach, 2) mouse stomach and 3) human SGC-7901 (human gastric cancer) lysate with ATP4B antibody at 0.5ug/ml. Predicted molecular weight ~34 kDa (core peptide), ~52 kDa (beta subunit precursor), 60-80 kDa (glycosylated form).

### Description

This gene encodes the beta subunit of the gastric H<sup>+</sup>, K<sup>+</sup>-ATPase. 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.

### Application Notes

Optimal dilution of the ATP4B antibody should be determined by the researcher.

## Immunogen

Amino acids 1-28 (MAALQEKKTCGQRMEEFQRYCWNPDTGQ) from the human protein were used as the immunogen for the ATP4B antibody.

## Storage

After reconstitution, the ATP4B antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.