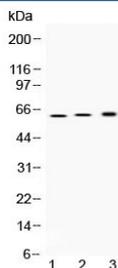


ATP4B Antibody / Gastric hydrogen potassium ATPase beta (R32734)

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

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	P51164
Applications	Western Blot : 0.5-1ug/ml
Limitations	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⁺, K⁺-ATPase. The protein encoded by this gene belongs to a family of P-type cation-transporting ATPases. The gastric H⁺, K⁺-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⁽⁺⁾ and K⁽⁺⁾ 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.