

Atp4b antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI12407**Specification**

Atp4b antibody - C-terminal region - Product Information

Application	WB
Primary Accession	P18598
Other Accession	NM_012510 , NP_036642
Reactivity	Human, Mouse, Rat, Rabbit, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Chicken, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	34kDa kDa

Atp4b antibody - C-terminal region - Additional Information**Gene ID** 24217**Alias Symbol** S76401S1, Atp4b**Other Names**

Potassium-transporting ATPase subunit beta, Gastric H(+)/K(+) ATPase subunit beta, Proton pump beta chain, Atp4b

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-Atp4b antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

Atp4b antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Atp4b antibody - C-terminal region - Protein Information**Name** Atp4b**Function**

The beta subunit of the gastric H(+)/K(+) ATPase pump which transports H(+) ions in exchange for K(+) ions across the apical membrane of parietal cells. Plays a structural and regulatory role in the assembly and membrane targeting of a functionally active pump (By similarity). Within a transport cycle, the transfer of a H(+) ion across the membrane is coupled to ATP hydrolysis and is associated with a transient phosphorylation of the alpha subunit that shifts the pump conformation from inward-facing (E1) to outward-facing state (E2). Interacts with the phosphorylation domain of

the alpha subunit and functions as a ratchet, stabilizing the lumenal-open E2 conformation and preventing the reverse reaction of the transport cycle (By similarity).

Cellular Location

Apical cell membrane {ECO:0000250|UniProtKB:P20648}; Single-pass type II membrane protein.

Cell membrane {ECO:0000250|UniProtKB:P18597}; Single-pass type II membrane protein.

Note=Localized in the apical canalicular membrane of parietal cells

{ECO:0000250|UniProtKB:P20648}

Tissue Location

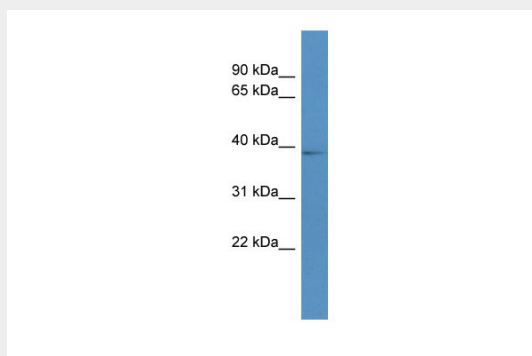
Stomach..

Atp4b antibody - C-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Atp4b antibody - C-terminal region - Images



WB Suggested Anti-Atp4b Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:312500

Positive Control: Rat Lung