

Atp6v1b1 Antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI13933**Specification**

Atp6v1b1 Antibody - N-terminal region - Product Information

Application	WB
Primary Accession	O91YH6
Other Accession	NM_134157 , NP_598918
Reactivity	Human, Mouse, Rat, Rabbit, Horse, Yeast, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Horse, Yeast, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	56kDa KDa

Atp6v1b1 Antibody - N-terminal region - Additional Information**Gene ID** 110935**Alias Symbol** AW208839, Atp6b1, D630003L15, D630030L16Rik, D630039P21Rik, Vpp-3, Vpp3**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-Atp6v1b1 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

Atp6v1b1 Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Atp6v1b1 Antibody - N-terminal region - Protein Information**Name** Atp6v1b1**Synonyms** Atp6b1**Function**

Non-catalytic subunit of the V1 complex of vacuolar(H⁺)- ATPase (V-ATPase), a multisubunit enzyme composed of a peripheral complex (V1) that hydrolyzes ATP and a membrane integral complex (V0) that translocates protons (PubMed:16174750, PubMed:23028982). V-ATPase is responsible for acidifying and maintaining the pH of intracellular compartments and in some cell

types, is targeted to the plasma membrane, where it is responsible for acidifying the extracellular environment (By similarity). Essential for the proper assembly and activity of V-ATPase (By similarity). In renal intercalated cells, mediates secretion of protons (H⁺) into the urine thereby ensuring correct urinary acidification (PubMed:16174750). Required for optimal olfactory function by mediating the acidification of the nasal olfactory epithelium (PubMed:23028982).

Cellular Location

Apical cell membrane. Basolateral cell membrane

Tissue Location

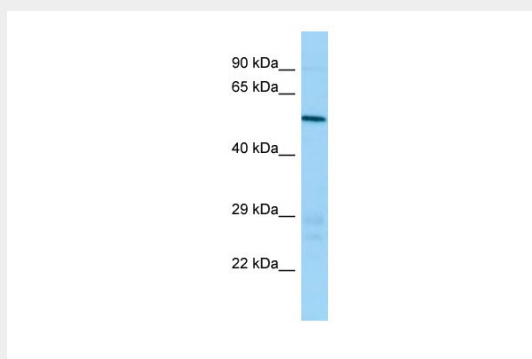
Highly expressed in the kidney; found in early distal nephron, encompassing thick ascending limbs and distal convoluted tubules and in the alpha-intercalated cells of the cortical collecting ducts (at protein level) (PubMed:14585495, PubMed:29993276) Expressed in the olfactory epithelium (at protein level) (PubMed:23028982). Expressed at lower levels in the testis (PubMed:14585495).

Atp6v1b1 Antibody - N-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](#)

Atp6v1b1 Antibody - N-terminal region - Images



Host: Rabbit
Target Name: Atp6v1b1
Sample Tissue: Mouse Testis lysates
Antibody Dilution: 1.0µg/ml