

Atp6v1b1 Antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI13933

Product Information

Application	WB
Primary Accession	Q91YH6
Other Accession	NM_134157 , NP_598918
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Dog, Guinea Pig, Horse, Bovine, Yeast
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine, Yeast
Host	Rabbit
Clonality	Polyclonal
Calculated MW	56791

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.

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](#)).

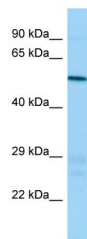
Cellular Location

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).

Images



Host: Rabbit

Target Name: Atp6v1b1

Sample Tissue: Mouse Testis lysates

Antibody Dilution: 1.0µg/ml

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.