

Anti-ATP6V1B2 Antibody (clone 1E11)
Mouse Anti Human Monoclonal Antibody
Catalog # ALS17375**Specification**

Anti-ATP6V1B2 Antibody (clone 1E11) - Product Information

Application	WB, IHC-P
Primary Accession	P21281
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Calculated MW	56501

Anti-ATP6V1B2 Antibody (clone 1E11) - Additional Information**Gene ID 526**Alias Symbol **ATP6V1B2****Other Names**

ATP6V1B2, ATP6B1B2, ATP6B2, V-ATPase subunit B 2, Vma2, VATB, VPP3, HO57, V-ATPase B2 subunit

Target/Specificity

Human ATP6V1B2

Reconstitution & Storage

PBS, pH 7.3, 1% BSA, 50% glycerol, 0.02% sodium azide Store at -20°C. Minimize freezing and thawing.

Precautions

Anti-ATP6V1B2 Antibody (clone 1E11) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-ATP6V1B2 Antibody (clone 1E11) - Protein Information**Name** ATP6V1B2**Synonyms** ATP6B2, VPP3**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:33065002). 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 (PubMed:32001091).

target="_blank">32001091). In renal intercalated cells, can partially compensate the lack of ATP6V1B1 and mediate secretion of protons (H⁺) into the urine under base-line conditions but not in conditions of acid load (By similarity).

Cellular Location

Apical cell membrane. Melanosome. Cytoplasm {ECO:0000250|UniProtKB:P62814}. Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane {ECO:0000250|UniProtKB:P62815}; Peripheral membrane protein. Cytoplasmic vesicle, clathrin-coated vesicle membrane {ECO:0000250|UniProtKB:P62815}; Peripheral membrane protein. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV

Tissue Location

Kidney; localizes to early distal nephron, encompassing thick ascending limbs and distal convoluted tubules (at protein level).

Anti-ATP6V1B2 Antibody (clone 1E11) - 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](#)

Anti-ATP6V1B2 Antibody (clone 1E11) - Images