10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ATP6V1F Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19156b

Specification

ATP6V1F Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q16864
Other Accession	Q28029, NP_004222.2
Reactivity	**Human**
Predicted	**Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**13370**
Antigen Region	**82-111**

ATP6V1F Antibody (C-term) - Additional Information

Gene ID 9296

Other Names
V-type proton ATPase subunit F, V-ATPase subunit F, V-ATPase 14 kDa subunit, Vacuolar proton pump subunit F, ATP6V1F, ATP6S14, VATF

Target/Specificity
This ATP6V1F antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 82-111 amino acids from the C-terminal region of human ATP6V1F.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
ATP6V1F Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

ATP6V1F Antibody (C-term) - Protein Information

Name ATP6V1F

Synonyms ATP6S14, VATF

Function 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 (By similarity).

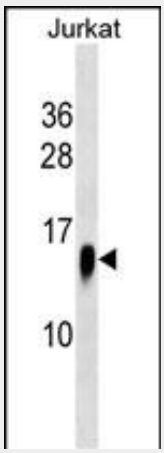
Cellular Location
Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane {ECO:0000250|UniProtKB:P50408}; Peripheral membrane protein. Cytoplasmic vesicle, clathrin-coated vesicle membrane {ECO:0000250|UniProtKB:P50408}; Peripheral membrane protein

ATP6V1F Antibody (C-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ATP6V1F Antibody (C-term) - Images



ATP6V1F Antibody (C-term) (Cat. #AP19156b) western blot analysis in Jurkat cell line lysates (35ug/lane).This demonstrates the ATP6V1F antibody detected the ATP6V1F protein (arrow).

ATP6V1F Antibody (C-term) - Background

This gene encodes a component of vacuolar ATPase (V-ATPase), a multisubunit enzyme that mediates acidification of eukaryotic intracellular organelles. V-ATPase dependent organelle acidification is necessary for such intracellular processes as protein sorting, zymogen activation, receptor-mediated endocytosis, and synaptic vesicle proton gradient generation. V-ATPase is

composed of a cytosolic V1 domain and a transmembrane V0 domain. The V1 domain consists of three A and three B subunits, two G subunits plus the C, D, E, F, and H subunits. The V1 domain contains the ATP catalytic site. The V0 domain consists of five different subunits: a, c, c', c', and d. Additional isoforms of many of the V1 and V0 subunit proteins are encoded by multiple genes or alternatively spliced transcript variants. This encoded protein is the V1 domain F subunit protein.

ATP6V1F Antibody (C-term) - References

Supino, R., et al. Ann. N. Y. Acad. Sci. 1171, 606-616 (2009) :
Smith, A.N., et al. J. Bioenerg. Biomembr. 40(4):371-380(2008)
Morel, N. Biol. Cell 95(7):453-457(2003)
Smith, A.N., et al. Mol. Cell 12(4):801-803(2003)
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