

ATP6V1F Antibody (C-term) Blocking PeptideSynthetic peptide
Catalog # BP19156b**Specification****ATP6V1F Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [Q16864](#)**ATP6V1F Antibody (C-term) Blocking Peptide - 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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ATP6V1F Antibody (C-term) Blocking Peptide - Protein Information

Name ATP6V1F

Synonyms ATP6S14, VATF

Function

Subunit of the peripheral V1 complex of vacuolar ATPase essential for assembly or catalytic function. V-ATPase is responsible for acidifying a variety of intracellular compartments in eukaryotic cells.

ATP6V1F Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - 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) Kawasaki-Nishi, S., et al. FEBS Lett. 545(1):76-85(2003)

ATP6V1F Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)