

ATP6V0C Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP10470b**Specification**

ATP6V0C Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [P27449](#)
Other Accession [NP_001685.1](#)

ATP6V0C Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 527

Other Names

V-type proton ATPase 16 kDa proteolipid subunit, V-ATPase 16 kDa proteolipid subunit, Vacuolar proton pump 16 kDa proteolipid subunit, ATP6V0C, ATP6C, ATP6L, ATPL

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.

ATP6V0C Antibody (C-term) Blocking Peptide - Protein Information

Name ATP6V0C

Synonyms ATP6C, ATP6L, ATPL

Function

Proton-conducting pore forming subunit of the V0 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, clathrin-coated vesicle membrane {ECO:0000250|UniProtKB:P63081}; Multi-pass membrane protein. Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane {ECO:0000250|UniProtKB:P63081}; Multi-pass membrane protein

ATP6V0C Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ATP6V0C Antibody (C-term) Blocking Peptide - Images**ATP6V0C Antibody (C-term) Blocking Peptide - Background**

ATP6V0C is 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. ATP6V0C encodes the V0 subunit c.

ATP6V0C Antibody (C-term) Blocking Peptide - References

O'Callaghan, K.M., et al. J. Biol. Chem. 285(1):381-391(2010) You, H., et al. Cancer Lett. 280(1):110-119(2009) Lee, I., et al. J. Biol. Chem. 279(51):53007-53014(2004) Morel, N. Biol. Cell 95(7):453-457(2003) Smith, A.N., et al. Mol. Cell 12(4):801-803(2003)