

AP50304PU-N**Polyclonal Antibody to ATP6V0C (C-term) - Aff - Purified****Alternate names:**

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

Quantity:

0.4 ml

Concentration:

lot specific

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.

Uniprot ID:[P27449](#)**NCBI:**[NP_001185498](#)**GenelD:**[527](#)**Host / Isotype:**

Rabbit / Ig

Immunogen:

KLH conjugated synthetic peptide between 107-134 amino acids from the C-terminal region of human ATP6V0C

Format:**State:** Liquid purified Ig fraction**Purification:** Affinity chromatography on Protein A**Buffer System:** PBS containing 0.09% (W/V) sodium azide as preservative**Applications:****ELISA:** 1/1000.**Western blotting:** 1/100 - 1/500.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

This antibody reacts to ATP6V0C.

Species Reactivity:**Tested:** Human and Mouse.**Add. Information:****Molecular Weight:** 15736 Da**Storage:**

Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

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

Pictures:

ATP6V0C Antibody (C-term) (Cat. #AP50304PU-N) western blot analysis in mouse NIH-3T3 cell line lysates (35µg/lane). This demonstrates the ATP6V0C antibody detected the ATP6V0C protein (arrow).

