

## Product datasheet for **AP50304PU-N**

### **ATP6V0C (C-term) Rabbit Polyclonal Antibody**

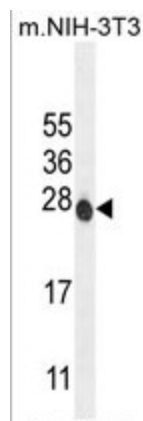
#### **Product data:**

|                       |   |
|-----------------------|---|
| Product Type:         | Primary Antibodies  |
| Applications:         | WB  |
| Recommended Dilution: | <b>ELISA:</b> 1/1000.<br><b>Western blotting:</b> 1/100 - 1/500.  |
| Reactivity:           | Human, Mouse  |
| Host:                 | Rabbit  |
| Isotype:              | Ig  |
| Clonality:            | Polyclonal  |
| Immunogen:            | KLH conjugated synthetic peptide between 107-134 amino acids from the C-terminal region of human ATP6V0C                          |
| Specificity:          | This antibody reacts to ATP6V0C.  |
| Formulation:          | PBS containing 0.09% (W/V) sodium azide as preservative<br>State: Aff - Purified<br>State: Liquid purified Ig fraction            |
| Concentration:        | lot specific  |
| Purification:         | Affinity chromatography on Protein A  |
| Conjugation:          | Unconjugated  |
| Storage:              | Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.<br>Avoid repeated freezing and thawing. |
| Stability:            | Shelf life: one year from despatch.   |
| Gene Name:            | ATPase H <sup>+</sup> transporting V0 subunit c   |
| Database Link:        | <a href="#">Entrez Gene 527 Human P27449</a>  |



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|--------------------------|--|
| <b>Background:</b>       | 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. |
| <b>Synonyms:</b>         | V-ATPase 16 kDa proteolipid subunit, ATP6C, ATP6L, ATPL  |
| <b>Note:</b>             | <b>Molecular Weight:</b> 15736 Da  |
| <b>Protein Families:</b> | Transmembrane  |
| <b>Protein Pathways:</b> | Epithelial cell signaling in Helicobacter pylori infection, Lysosome, Metabolic pathways, Oxidative phosphorylation, Vibrio cholerae infection   |

**Product images:**

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