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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
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| | |
|----------------------------|--|
| Product Number | ARP58589_P050-Biotin |
| Product Page | www.avivasysbio.com/atp6v1c1-antibody-n-terminal-region-biotin-arp58589-p050-biotin.html |
| Name | ATP6V1C1 Antibody - N-terminal region : Biotin (ARP58589_P050-Biotin) |
| Protein Size (# AA) | 382 amino acids |
| Molecular Weight | 42kDa |
| Subunit | C 1 |
| Conjugation | Biotin |
| NCBI Gene Id | 528 |
| Host | Rabbit |
| Clonality | Polyclonal |
| Concentration | 0.5 mg/ml |
| Gene Full Name | ATPase, H ⁺ transporting, lysosomal 42kDa, V1 subunit C1 |
| Alias Symbols | VATC, Vma5, ATP6C, ATP6D |
| Peptide Sequence | Synthetic peptide located within the following region: ldafvegkvkvaqymadvledskdkvqenllangvdlvtyrfqwdma |
| Product Format | Liquid. Purified antibody supplied in 1x PBS buffer. |
| Reference | Rao, V.N., (2006) Nat. Cell Biol. 8 (2), 124-136 |
| Description of Target | <p>ATP6V1C1 is a component of vacuolar ATPase (V-ATPase), a multisubunit enzyme that mediates acidification of intracellular compartments of eukaryotic cells. V-ATPase dependent 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 gene is one of two genes that encode the V1 domain C subunit proteins and is found ubiquitously. This C subunit is analogous but not homologous to gamma subunit of F-ATPases. Previously, this gene was designated ATP6D. This gene encodes a component of vacuolar ATPase (V-ATPase), a multisubunit enzyme that mediates acidification of intracellular compartments of eukaryotic cells. V-ATPase dependent 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 gene is one of two genes that encode the V1 domain C subunit proteins and is found ubiquitously. This C subunit is analogous but not homologous to gamma subunit of F-ATPases. Previously, this gene was designated ATP6D. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.</p> |
| Protein Interactions | ATP6V1C1; IVNS1ABP; ATG7; DNMI1; TSN; STAT1; SNX2; SNX1; SHMT2; SHMT1; SARS; RDX; PAWR; NASP; IDE; GTF2A1; GSPT1; CTTN; PSMG3; ANP32E; TBC1D15; SNX6; VPS35; VPS29; LUC7L2; VTA1; ARFIP1; GSPT2; UBC; UBAC2; TXNDC17; MRPS35; CISD1; VASP; TYMS; SSR1; SRSF5; A |
| Reconstitution and Storage | All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding. |
| Datasheets/Manuals | Printable datasheet for anti-ATP6V1C1 (ARP58589_P050-Biotin) antibody |
| Blocking Peptide | For anti-ATP6V1C1 (ARP58589_P050-Biotin) antibody is Catalog # AAP58589 (Previous Catalog # AAPP35806) |

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| Immunogen | The immunogen is a synthetic peptide directed towards the N terminal region of human ATP6V1C1 |
| Uniprot ID | P21283 |
| Protein Name | V-type proton ATPase subunit C 1 |
| Protein Accession # | NP_001686 |
| Purification | Affinity Purified |
| Nucleotide Accession # | NM_001695 |
| Gene Symbol | ATP6V1C1 |
| Predicted Species Reactivity | Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish |
| Application | WB |
| Predicted Homology Based on Immunogen Sequence | Cow: 100%; Dog: 100%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 93% |
| Image 1 |  |

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