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Zuschläge

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Product Number	ARP58589_P050-HRP
Product Page	www.avivasysbio.com/atp6v1c1-antibody-n-terminal-region-hrp-arp58589-p050-hrp.html
Name	ATP6V1C1 Antibody - N-terminal region : HRP (ARP58589_P050-HRP)
Protein Size (# AA)	382 amino acids
Molecular Weight	42kDa
Subunit	C 1
Conjugation	HRP: Horseradish Peroxidase
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: ldafvegvgvkkvaqymadvledskdkvqenllangvdlvtvtrfqwdma
Product Format	Liquid. Purified antibody is supplied in high phosphate PBS, 100 mM phosphate, 150 mM NaCl, pH 7.6.
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-HRP) antibody
Blocking Peptide	For anti-ATP6V1C1 (ARP58589_P050-HRP) antibody is Catalog # AAP58589 (Previous Catalog # AAPP35806)

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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Optimal conditions of its use should be determined by end users.

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