

Rabbit ATP6V1C1 Polyclonal Antibody | anti-ATP6V1C1 antibody

ATP6V1C1 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA200835	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish	Western Blot

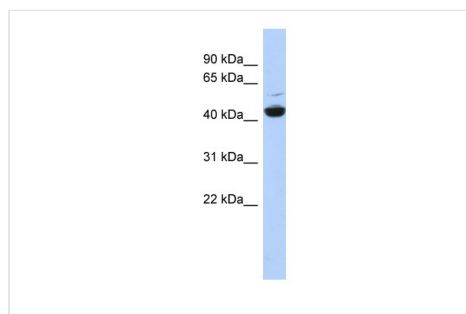
PRODUCT SYNONYMS

ATP6V1C1; Polyclonal Antibody; ATP6V1C1 antibody - N-terminal region; anti-ATP6V1C1 antibody

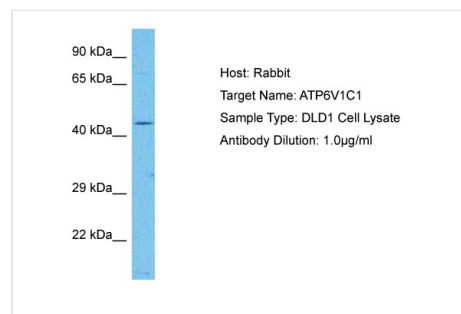
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide derived from the N-terminal region: Id afvegkvkv aqymadvled skdkvqenll angvdlvtyi trfqwdma
Sequence Length	382
Applicable Applications for anti-ATP6V1C1 antibody	WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 93%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human ATP6V1C1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-ATP6V1C1 Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:31250
Positive Control: HepG2 cell lysate


WB (Western Blot)

Host: Rabbit
Target Name: ATP6V1C1
Sample Type: DLD1 Cell Lysate
Antibody Dilution: 1.0 µg/ml

ADDITIONAL INFORMATION

Related Product Information for anti-ATP6V1C1 antibody	This is a rabbit polyclonal antibody against ATP6V1C1. It was validated on Western Blot using a cell lysate as a positive control. Target Description: 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.
Product Categories/Family for anti-ATP6V1C1 antibody	Polyclonal; Various; E3 & Ubiquitin; Membrane & Traffic

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502315
NCBI GeneID	528
NCBI Accession #	NP_001686
NCBI GenBank Nucleotide #	NM_001695
UniProt Accession #	P21283
Molecular Weight	42kDa
NCBI Official Full Name	V-type proton ATPase subunit C 1
NCBI Official Synonym Full Names	ATPase H+ transporting V1 subunit C1
NCBI Official Symbol	ATP6V1C1
NCBI Official Synonym Symbols	VATC; Vma5; ATP6C; ATP6D
NCBI Protein Information	V-type proton ATPase subunit C 1
UniProt Protein Name	V-type proton ATPase subunit C 1
UniProt Gene Name	ATP6V1C1
UniProt Synonym Gene Names	ATP6C; ATP6D; VATC; V-ATPase subunit C 1
UniProt Entry Name	VATC1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.