

Product datasheet for **TA356453**

ATP6V0C Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human ATP6V0C
Specificity:	Expected reactivity: Cow, Dog, Horse, Human, Pig, Rabbit, Rat, Sheep Homology: Cow: 86%; Dog: 86%; Horse: 93%; Human: 100%; Pig: 79%; Rabbit: 86%; Rat: 90%; Sheep: 86%
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	16kDa
Gene Name:	ATPase H ⁺ transporting V0 subunit c
Database Link:	NP_001685 Entrez Gene 527 Human P27449



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Background:

This gene encodes 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. Additional isoforms of many of the V1 and V0 subunit proteins are encoded by multiple genes or alternatively spliced transcript variants. This encoded protein is part of the V0 domain. This gene had the previous symbols of ATP6C and ATP6L.

Synonyms:

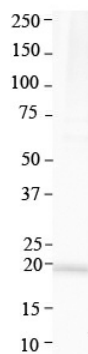
ATP6C; ATP6L; ATPL; VATL; Vma3

Protein Families:

Transmembrane

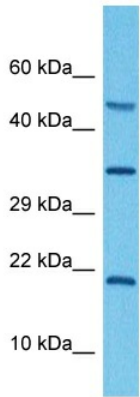
Protein Pathways:

Epithelial cell signaling in Helicobacter pylori infection, Lysosome, Metabolic pathways, Oxidative phosphorylation, Vibrio cholerae infection

Product images:


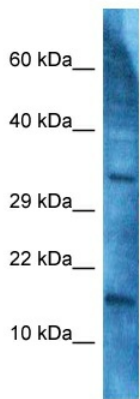
Host: Rabbit
 Target Name: ATP6V0C
 Sample Type: Human Lung
 Antibody Dilution: 1.0 ug/ml

Host: Rabbit
 Target Name: ATP6V0C
 Sample Type: Human Lung
 Antibody Dilution: 1.0 ug/ml



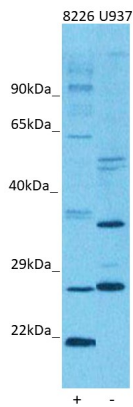
Host: Rabbit
 Target Name: ATP6V0C
 Sample Type: RPMI-8226 Cell Lysate
 Antibody Dilution: 1.0µg/ml

Host: Rabbit
 Target Name: ATP6V0C
 Sample Tissue: Human RPMI 8226 Whole Cell
 Antibody Dilution: 1ug/ml



Host: Rabbit
 Target Name: ATP6V0C
 Sample Type: COLO205 Cell Lysate
 Antibody Dilution: 1.0µg/ml

Host: Rabbit
 Target Name: ATP6V0C
 Sample Tissue: Human COLO205 Whole Cell
 Antibody Dilution: 3ug/ml



Host: Rabbit
 Target name: ATP6V0C
 Negative control: ~25ug U937 Cell Lysate (U937)
 Positive control: ~25ug RPMI 8226 Cell Lysate (8226)
 Antibody concentration: 3ug/ml

Host: Rabbit
 Target: ATP6V0C
 Positive control (+): RPMI-8226 (N12)
 Negative control (-): U937 (N31)
 Antibody concentration: 1ug/ml