# ATP6V1C2 (Human) Matched Antibody Pair

Catalog # H00245973-AP21 Size 1 Set

## Applications



Sandwich ELISA detection sensitivity ranging from 3 ng/ml to 100 ng/ml.

Specification	
Product Description	This antibody pair set comes with a matched antibody pair to detect and quantify the protein level of human ATP6V1C2.
Reactivity	Human
Interspecies Antigen Sequence	Mouse (82); Rat (83)
Quality Control Testing	Standard curve using recombinant protein (H00245973-P01) as an analyte. Sandwich ELISA detection sensitivity ranging from 3 ng/ml to 100 ng/ml.
Supplied Product	Antibody pair set content: 1. Capture antibody: rabbit MaxPab® affinity purified polyclonal anti-ATP6V1C2 (100 ug) 2. Detection antibody: mouse purified polyclonal anti-ATP6V1C2 (20 ug) *Reagents are sufficient for at least 1-2 x 96 well plates using recommended protocols.
Storage Instruction	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze tha w cycle. Reagents should be returned to -20°C storage immediately after use.

### Applications

😵 Abnova

ELISA Pair (Recombinant protein)

Protocol Download

#### Gene Info — ATP6V1C2

Entrez GenelD	<u>245973</u>
Gene Name	ATP6V1C2
Gene Alias	ATP6C2, VMA5
Gene Description	ATPase, H+ transporting, lysosomal 42kDa, V1 subunit C2
Gene Ontology	<u>Hyperlink</u>
Gene Summary	This gene encodes a component of vacuolar ATPase (V-ATPase), a multisubunit enzyme that me diates acidification of eukaryotic intracellular organelles. V-ATPase dependent organelle acidific ation is necessary for such intracellular processes as protein sorting, zymogen activation, recepto r-mediated endocytosis, and synaptic vesicle proton gradient generation. V-ATPase is compose d of a cytosolic V1 domain and a transmembrane V0 domain. The V1 domain consists of three A, three B, and two G subunits, as well as a C, D, E, F, and H subunit. The V1 domain contains the A TP catalytic site. This gene encodes alternate transcriptional splice variants, encoding different V 1 domain C subunit isoforms. [provided by RefSeq
Other Designations	ATPase, H+ transporting, lysosomal 42kD, V1 subunit C OTTHUMP00000115522 V-ATPase C2 subunit vacuolar H+ ATPase C2

#### Pathway

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

#### Disease

• Tobacco Use Disorder