

# ATP6V1G1 rabbit monoclonal antibody

Catalog # H00009550-K      Size 100 ug x up to 3

## Specification

Product Description	Rabbit monoclonal antibody raised against a human ATP6V1G1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human ATP6V1G1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human ATP6V1G1 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — ATP6V1G1

Entrez GeneID	<a href="#">9550</a>
GeneBank Accession#	<a href="#">ATP6V1G1</a>
Gene Name	ATP6V1G1
Gene Alias	ATP6G, ATP6G1, ATP6GL, ATP6J, DKFZp547P234, Vma10
Gene Description	ATPase, H <sup>+</sup> transporting, lysosomal 13kDa, V1 subunit G1
Omim ID	<a href="#">607296</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	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, three B, and two G subunits, as well as a C, D, E, F, and H subunit. The V1 domain contains the ATP catalytic site. The protein encoded by this gene is one of three V1 domain G subunit proteins. Pseudogenes of this gene have been characterized. [provided by RefSeq]
Other Designations	ATPase, H <sup>+</sup> transporting, lysosomal (vacuolar proton pump), member JJOTTHUMP00000022758 V-ATPase 13 kDa subunit 1 vacuolar ATP synthase subunit M16 vacuolar H(+)-ATPase subunit G1 vacuolar H <sup>+</sup> ATPase G1

## Pathway

- [Epithelial cell signaling in Helicobacter pylori infection](#)
- [Metabolic pathways](#)
- [Oxidative phosphorylation](#)
- [Vibrio cholerae infection](#)