

# ATP6V1G3 Rabbit Polyclonal Antibody



CAB14443

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

14kDa

### Calculated MW:

6kDa/13kDa/14kDa

### Applications:

WB IHC

### Reactivity:

Mouse

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50  
- 1:100

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein 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 gene encodes one of three G subunit proteins. Transcript variants encoding different isoforms have been found for this gene.

## Immunogen information

### Gene ID:

127124

### Uniprot

Q96LB4

### Synonyms:

ATP6V1G3; ATP6G3; Vma10

### Immunogen:

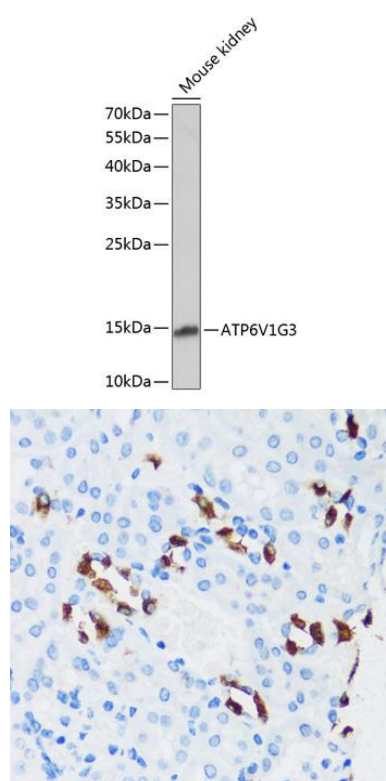
Recombinant fusion protein containing a sequence corresponding to amino acids 1-118 of human ATP6V1G3 (NP\_573569.1).

### Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

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Western blot analysis of extracts of mouse kidney, using ATP6V1G3 antibody (CAB14443) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 90s.

Immunohistochemistry of paraffin-embedded mouse kidney using ATP6V1G3 antibody (CAB14443) at dilution of 1:100 (40x lens).