

Datasheet for ABIN7265759
anti-ATP6V1G3i antibody (AA 1-118)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	ATP6V1G3i (ATP6V1G3)
Binding Specificity:	AA 1-118
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP6V1G3i antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	ATP6V1G3 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-118 of human ATP6V1G3 (NP_573569.1).
Sequence:	MTSQSQGIHQ LLQAEKRAKD KLEEAKKRKG KRLKQAKEEA MVEIDQYRMQ RDKEFRLKQS KIMGSQNNLS DEIEEQTLGK IQELNGHYNK YMESVMNQLL SMVCDMKPEI HVNYRATN
Isotype:	IgG
Cross-Reactivity:	Mouse
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

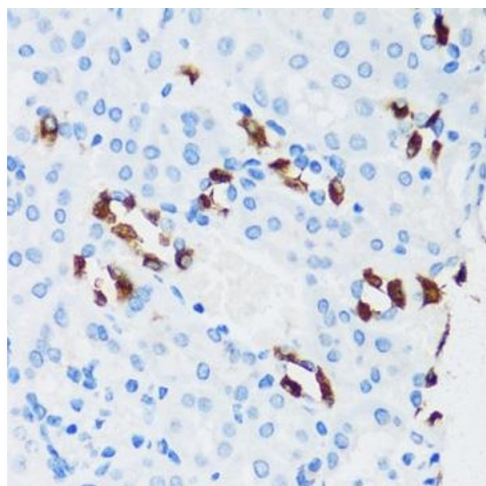
Target:	ATP6V1G3i (ATP6V1G3)
Alternative Name:	ATP6V1G3 (ATP6V1G3 Products)
Background:	<p>This gene encodes a component of vacuolar ATPase (V-ATPase), a multisubunit enzyme that mediates acidification of eukaryotic intracellular organelles. V-ATPase dependent organelle acidification is necessary for 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.,ATP6V1G3,ATP6G3,Vma10,Cancer,Signal Transduction,Endocrine & Metabolism,ATP6V1G3</p>
Molecular Weight:	6kDa/13kDa/14kDa
Gene ID:	127124
UniProt:	Q96LB4
Pathways:	Transition Metal Ion Homeostasis , Proton Transport

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:100
Restrictions:	For Research Use only

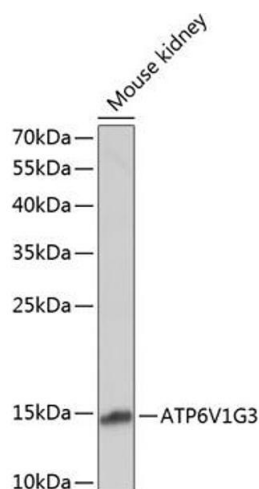
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded mouse kidney using V1G3 antibody (ABIN7265759) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of mouse kidney, using V1G3 antibody (ABIN7265759) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.