

Rabbit ATP6V1G3 Polyclonal Antibody | anti-ATP6V1G3 antibody

ATP6V1G3 Antibody (N-Term)

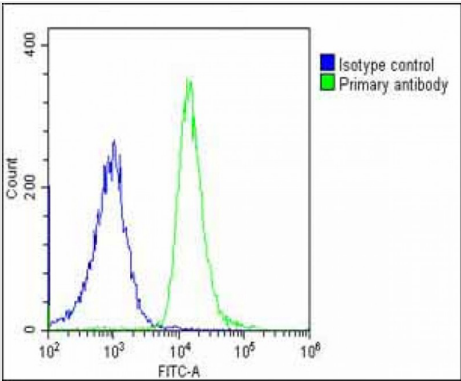
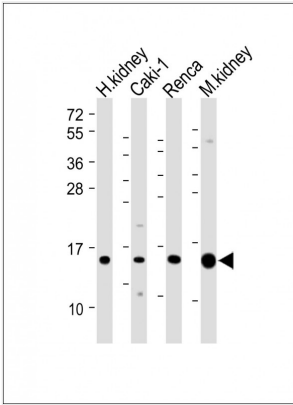
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290908	Rabbit	Human, Mouse Predicted: Xenopus	ELISA, Western Blot, Flow Cytometry, Functional Assay, Immunofluorescence

PRODUCT SYNONYMS

ATP6V1G3; Polyclonal Antibody; ATP6V1G3 Antibody (N-Term); Purified Rabbit Polyclonal Antibody (Pab); V-type proton ATPase subunit G 3; V-ATPase subunit G 3; V-ATPase 13 kDa subunit 3; Vacuolar proton pump subunit G 3; ATP6G3; anti-ATP6V1G3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse Predicted: Xenopus
Clonality	Polyclonal
Isotype	Ig
Specificity	This ATP6V1G3 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 15-49 amino acids from the human region of human ATP6V1G3.
Purity/Purification	Purified through a protein A column, followed by peptide affinity purification.
Form/Format	Supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Length	124
Applicable Applications for anti-ATP6V1G3 antibody	ELISA, WB (Western Blot), FCM/FACS (Flow Cytometry), IF (Immunofluorescence)
Antigen Type	Synthesized Peptide
Antigen Source	Human
Tissue Location	Kidney.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)

All lanes : Anti-ATP6V1G3 Antibody (N-Term) at 1:2000 dilution
Lane 1: Human kidney lysate
Lane 2: Caki-1 whole cell lysate
Lane 3: Renca whole cell lysate
Lane 4: Mouse kidney lysate
Lysates/proteins at 20 ug per lane.
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.
Predicted band size : 14 kDa
Blocking/Dilution buffer: 5% NFDM/TBST.

FCM/FACS (Flow Cytometry)

Overlay histogram showing U-2 OS cells stained with AP22348a (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AP22348a, 1:25 dilution) for 60 min at 37 degree C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight 488 Conjugated Highly Cross-Adsorbed (OE188374) at 1/200 dilution for 40 min at 37 degree C. Isotype control antibody (blue line) was rabbit IgG1 (1 mug/1x10⁶ cells) used under the same conditions. Acquisition of >10, 000 events was performed.

ADDITIONAL INFORMATION

Related Product Information for anti-ATP6V1G3 antibody	Catalytic subunit of the peripheral V1 complex of vacuolar ATPase (V-ATPase). V-ATPase is responsible for acidifying a variety of intracellular compartments in eukaryotic cells.
Product Categories/Family for anti-ATP6V1G3 antibody	Crown Antibodies; Primary Antibodies; Metabolism; Signal Transduction
References	Smith A.N.,et al.Gene 297:169-177(2002). Gregory S.G.,et al.Nature 441:315-321(2006).

NCBI AND UNIPROT INFORMATION

NCBI GI #	995970198
NCBI GeneID	127124
NCBI Accession #	NP_001307147.1
NCBI GenBank Nucleotide #	NM_001320218.1
UniProt Accession #	Q96LB4; Q495K2; Q495K4; Q5T9L6
Molecular Weight	13917
NCBI Official Full Name	V-type proton ATPase subunit G 3 isoform c
NCBI Official Synonym Full Names	ATPase H ⁺ transporting V1 subunit G3
NCBI Official Symbol	ATP6V1G3
NCBI Official Synonym Symbols	Vma10; ATP6G3
NCBI Protein Information	V-type proton ATPase subunit G 3
UniProt Protein Name	V-type proton ATPase subunit G 3
UniProt Gene Name	ATP6V1G3
UniProt Synonym Gene Names	ATP6G3; V-ATPase subunit G 3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/atp6v1g3-antibody-western-blot-flow-cytometry-immunofluorescence-elisa/290908>