BOSTER BIOLOGICAL TECHNOLOGY
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Anti-ATP6V1G3 Antibody (N-Term)

Catalog Number: M13383

About ATP6V1G3

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.

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Overview

Product Name	Anti-ATP6V1G3 Antibody (N-Term)
Reactive Species	Human, Mouse
Description	Boster Bio Anti-ATP6V1G3 Antibody (N-Term) (Catalog # M13383). Tested in WB, Flow Cytometry, IF application(s). This antibody reacts with Human, Mouse.
Application	Flow Cytometry, IF, WB
Clonality	Polyclonal
Formulation	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q96LB4

Technical Details

Immunogen	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.
Predicted Reactive Species	Xenopus
Isotype	Rabbit IgG
Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Suggested Dilutions	IF: 1:25

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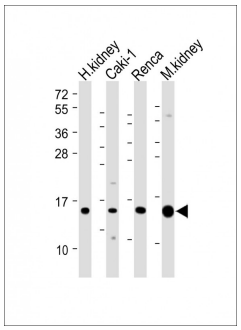
	WB: 1:2000 FC: 1:25

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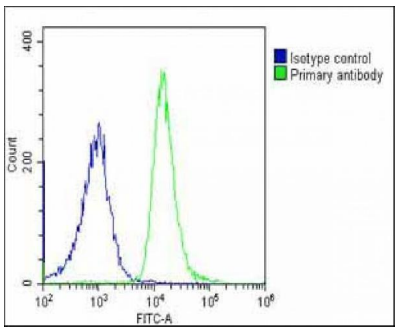
Anti-ATP6V1G3 Antibody (N-Term) (M13383) Images



Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized U-2 OS (human osteosarcoma cell line) cells labeling ATP6V1G3 with M13383 at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-rabbit IgG secondary antibody at 1/200 dilution (green). Immunofluorescence image showing cytoplasm and weak nucleus staining on U-2 OS cell line. Cytoplasmic actin is detected with Dylight® 554 Phalloidin at 1/100 dilution (red).The nuclear counter stain is DAPI (blue).



All lanes : Anti-ATP6V1G3 Antibody (N-Term) at 1:2000 dilutionLane 1: Human kidney lysateLane 2: Caki-1 whole cell lysateLane 3: Renca whole cell lysateLane 4: Mouse kidney lysateLysates/proteins at 20 µg per lane. SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 14 kDaBlocking/Dilution buffer: 5% NFDM/TBST.



Overlay histogram showing U-2 OS cells stained with M13383 (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then icubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (M13383, 1:25 dilution) for 60 min at 37ºC. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed at 1/200 dilution for 40 min at 37ºC. Isotype control antibody (blue line) was rabbit IgG1 (1g/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.

Anti-ATP6V1G3 Antibody (N-Term)

For Research Use Only. Not for use in diagnostic procedures.