

For Research Use Only

# ATP6V1B1 Monoclonal antibody

Catalog Number: 68219-1-Ig



## Basic Information

<b>Catalog Number:</b> 68219-1-Ig	<b>GenBank Accession Number:</b> BC063411	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 500 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 525	<b>CloneNo.:</b> 1G10A8
<b>Source:</b> Mouse	<b>Full Name:</b> ATPase, H <sup>+</sup> transporting, lysosomal 56/58kDa, V1 subunit B1	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IF 1:400-1:1600
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 57 kDa	
<b>Immunogen Catalog Number:</b> AG7405	<b>Observed MW:</b> 56 kDa	

## Applications

### Tested Applications:

IF, WB, ELISA

### Species Specificity:

Human, Mouse, Rat, Rabbit, Pig

### Positive Controls:

**WB** : JAR cells, pig brain tissue, pig cerebellum tissue, rabbit brain tissue, rabbit cerebellum tissue, rat kidney tissue, rat brain tissue, mouse kidney tissue, mouse brain tissue

**IF** : HEK-293 cells,

## Background Information

ATP6V1B1, also named ATP6B1, VATB and VPP3, belongs to the ATPase alpha/beta chains family. ATP6V1B1 is mainly expressed in kidney. ATP6V1B1 is essential for the proper assembly and activity of V-ATPase. In renal intercalated cells, ATP6V1B1 mediates secretion of protons (H<sup>+</sup>) into the urine thereby ensuring correct urinary acidification. The calculated molecular weight of ATP6V1B1 is 57 kDa.

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

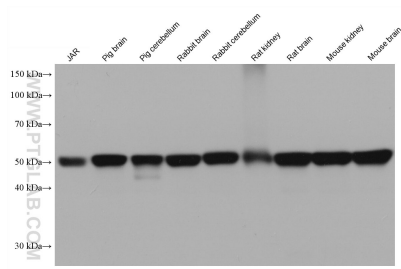
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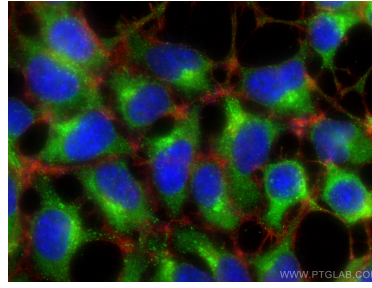
E: proteintech@ptglab.com  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68219-1-Ig (ATP6V1B1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using ATP6V1B1 antibody (68219-1-Ig, Clone: 1G10A8) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).