

For Research Use Only

# ATP6V1B2 Monoclonal antibody

Catalog Number: 68441-1-Ig **Featured Product**



## Basic Information

<b>Catalog Number:</b> 68441-1-Ig	<b>GenBank Accession Number:</b> BC003100	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 526	<b>CloneNo.:</b> 3C11A9
<b>Source:</b> Mouse	<b>Full Name:</b> ATPase, H <sup>+</sup> transporting, lysosomal 56/58kDa, V1 subunit B2	<b>Recommended Dilutions:</b> WB 1:5000-1:40000 IP 0.5-4.0 ug for IP and 1:1000-1:8000 for WB
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 57 kDa	
<b>Immunogen Catalog Number:</b> AG7265	<b>Observed MW:</b> 56-58 kDa	

## Applications

### Tested Applications:

IP, WB, ELISA

### Species Specificity:

Human, Mouse, Rat, Rabbit, Pig

### Positive Controls:

**WB :** HeLa cells, A549 cells, Jurkat cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells, pig brain tissue, rabbit brain tissue, mouse brain tissue

**IP :** HeLa cells,

## Background Information

ATP6V1B2(V-type proton ATPase subunit B, brain isoform) is also named as ATP6B2, VPP3,HO57. It belongs to the ATPase alpha/beta chains family.V-ATPase is a heteromultimeric enzyme composed of a peripheral catalytic V1 complex attached to an integral membrane V0 proton pore complex.The quasi-ubiquitous ATP6V1B2 is one of 2 isoforms of ATP6V1 and is expressed in most cell types, where it plays a major role in organelle acidification(PMID:18667600).

## 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

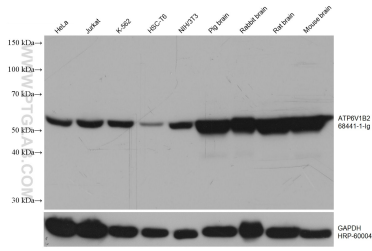
For technical support and original validation data for this product please contact:

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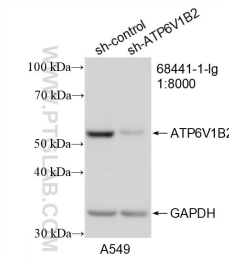
E: proteintech@ptglab.com  
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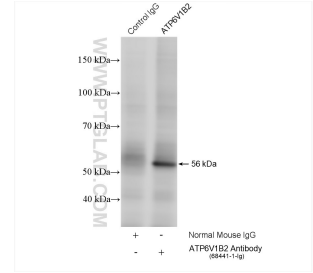
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68441-1-Ig (ATP6V1B2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



WB result of ATP6V1B2 antibody (68441-1-Ig; 1:8000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ATP6V1B2 transfected A549 cells.



IP result of anti-ATP6V1B2 (IP:68441-1-Ig, 4ug; Detection:68441-1-Ig 1:4000) with HeLa cells lysate 2000 ug.