

For Research Use Only

# ATP6V1B2 Polyclonal antibody

Catalog Number:15097-1-AP

Featured Product

14 Publications



## Basic Information

### Catalog Number:

15097-1-AP

### Size:

150ul , Concentration: 800 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG7174

### GenBank Accession Number:

BC003100

### GeneID (NCBI):

526

### UNIPROT ID:

P21281

### Full Name:

ATPase, H<sup>+</sup> transporting, lysosomal 56/58kDa, V1 subunit B2

### Calculated MW:

57 kDa

### Observed MW:

56-58 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:5000-1:40000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IP, IHC, ELISA

### Cited Applications:

WB, IHC, IP

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, pig, monkey

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

**WB** : A549 cells, mouse heart tissue, mouse skeletal muscle tissue, mouse brain tissue, HeLa cells, rat brain tissue, K-562 cells

**IP** : mouse brain tissue,

**IHC** : human colon cancer tissue,

## 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 an 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).

## Notable Publications

Author	Pubmed ID	Journal	Application
Ken G Victor	28960461	Synapse	WB
Tomas Doyle	30478388	Nat Microbiol	WB
Lanxin Yuan	34835488	Microorganisms	WB

## 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

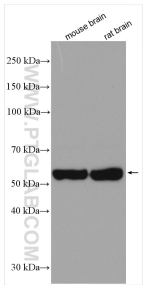
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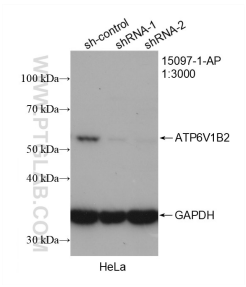
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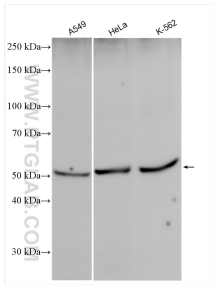
Selected Validation Data



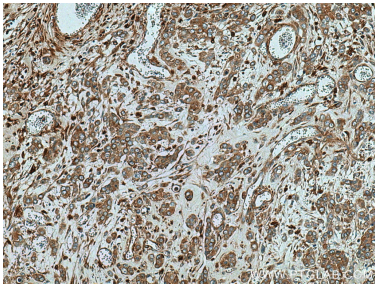
Various lysates were subjected to SDS PAGE followed by western blot with 15097-1-AP (ATP6V1B2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



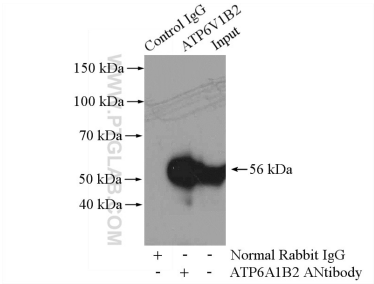
WB result of ATP6V1B2 antibody (15097-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ATP6V1B2 transfected HeLa cells.



Various lysates were subjected to SDS PAGE followed by western blot with 15097-1-AP (ATP6V1B2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 15097-1-AP (ATP6V1B2 antibody) at dilution of 1:200 (under 10x lens).



IP result of anti-ATP6V1B2 (IP:15097-1-AP, 4ug; Detection:15097-1-AP 1:1000) with mouse brain tissue lysate 4000ug.