

For Research Use Only

# PIP5K1B Polyclonal antibody

Catalog Number: 12541-1-AP

Featured Product

5 Publications



## Basic Information

### Catalog Number:

12541-1-AP

### Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 340 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG3261

### GenBank Accession Number:

BC030587

### GeneID (NCBI):

8395

### UNIPROT ID:

O14986

### Full Name:

phosphatidylinositol-4-phosphate 5-kinase, type I, beta

### Calculated MW:

549 aa, 62 kDa

### Observed MW:

62 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

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

IHC 1:20-1:200

## Applications

### Tested Applications:

WB, IP, IHC, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

**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 : human testis tissue, human brain tissue

IP : mouse testis tissue,

IHC : human lung tissue, human heart tissue, human kidney tissue

## Notable Publications

| Author              | Pubmed ID | Journal       | Application |
|---------------------|-----------|---------------|-------------|
| Caitlin A Sengelaub | 26620550  | EMBO J        | WB          |
| Jaerak Chang        | 25365221  | J Clin Invest | WB          |
| Takashi Baba        | 30867165  | EMBO J        |             |

## 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

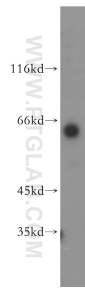
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

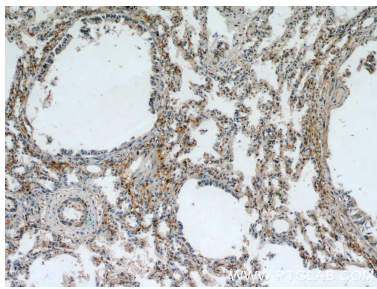
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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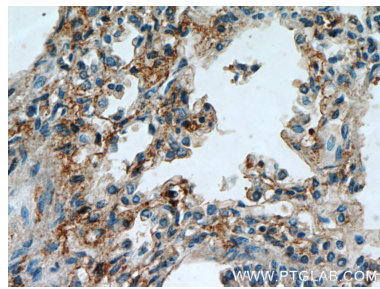
Selected Validation Data



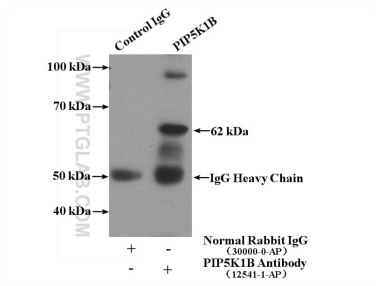
human testis tissue were subjected to SDS PAGE followed by western blot with 12541-1-AP (PIP5K1B antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung using 12541-1-AP (PIP5K1B antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human lung using 12541-1-AP (PIP5K1B antibody) at dilution of 1:100 (under 40x lens).



IP result of anti-PIP5K1B (IP:12541-1-AP, 4ug; Detection:12541-1-AP 1:500) with mouse testis tissue lysate 4000ug.