

For Research Use Only

# PIP4K2B Polyclonal antibody

Catalog Number: 13218-1-AP

Featured Product

2 Publications



## Basic Information

<b>Catalog Number:</b> 13218-1-AP	<b>GenBank Accession Number:</b> BC027459	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 300 µg/ml by Nanodrop and 140 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 8396	<b>Recommended Dilutions:</b> WB 1:500-1:3000 IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>Full Name:</b> phosphatidylinositol-5-phosphate 4-kinase, type II, beta	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 416 aa, 47 kDa	
<b>Immunogen Catalog Number:</b> AG4099	<b>Observed MW:</b> 50-55 kDa	

## Applications

### Tested Applications:

IHC, WB, ELISA

### Cited Applications:

IHC, WB

### Species Specificity:

human, mouse, rat

### Cited Species:

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 : HeLa cells, HEK-293 cells, MCF-7 cells

IHC : human pancreas cancer tissue, human kidney tissue

## Background Information

PIP4K2B, also named as PIP5K2B, participates in the biosynthesis of phosphatidylinositol-4,5-bisphosphate. PIP4K2B has a homodimer. It binds TNFRSF1A(24/32/50kd).

## Notable Publications

Author	Pubmed ID	Journal	Application
Su Yang	28924165	Nat Commun	WB
Archna Ravi	33984270	Dev Cell	IHC

## 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

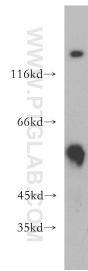
For technical support and original validation data for this product please contact:

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

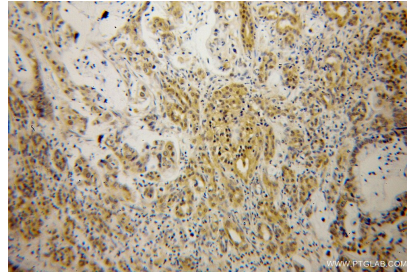
E: proteintech@ptglab.com  
W: ptglab.com

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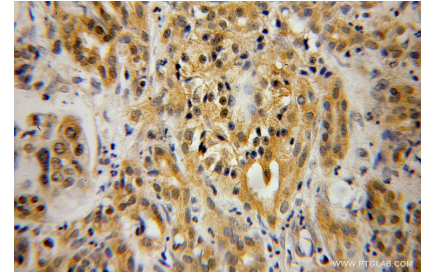
## Selected Validation Data



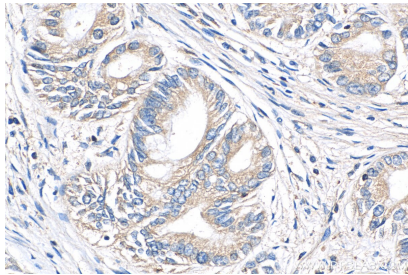
HeLa cells were subjected to SDS PAGE followed by western blot with 13218-1-AP (PIP4K2B antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer using 13218-1-AP (PIP4K2B antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human pancreas cancer using 13218-1-AP (PIP4K2B antibody) at dilution of 1:100 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 13218-1-AP (PIP4K2B antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).