

For Research Use Only

# PIP4K2B Recombinant antibody

Catalog Number:83647-3-RR



## Basic Information

<b>Catalog Number:</b> 83647-3-RR	<b>GenBank Accession Number:</b> BC027459	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 8396	<b>CloneNo.:</b> 240645F10
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P78356	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:1000-1:4000 IF-P 1:250-1:1000
<b>Isotype:</b> IgG	<b>Full Name:</b> phosphatidylinositol-5-phosphate 4-kinase, type II, beta	
<b>Immunogen Catalog Number:</b> AG4099	<b>Calculated MW:</b> 416 aa, 47 kDa	
	<b>Observed MW:</b> 45 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF-P, FC (Intra), ELISA

**Species Specificity:**  
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 :** HepG2 cells, HeLa cells, A549 cells, PC-12 cells, NIH/3T3 cells, C2C12 cells, mouse brain tissue

**IHC :** mouse brain tissue,

**IF-P:** mouse brain tissue,

## Background Information

PIP4K2B, also named as PIP5K2B, participates in the biosynthesis of phosphatidylinositol-4,5-bisphosphate. PIP4K2B has a homodimer.

## 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

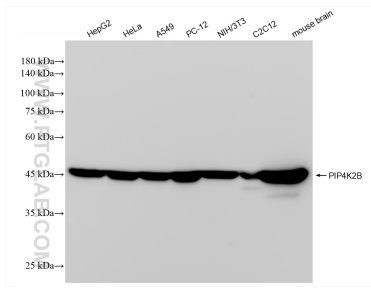
For technical support and original validation data for this product please contact:

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

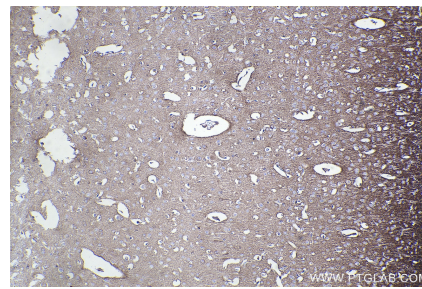
E: proteintech@ptglab.com  
W: ptglab.com

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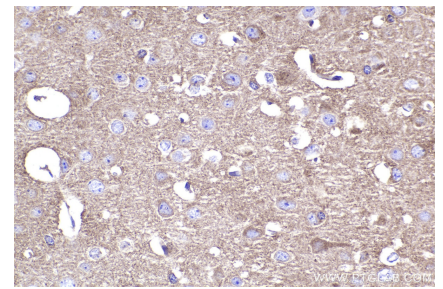
## Selected Validation Data



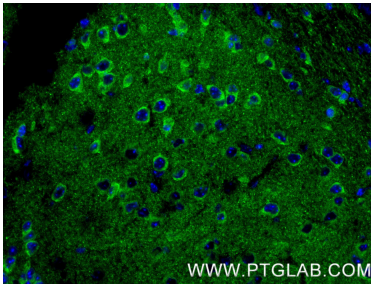
Various lysates were subjected to SDS PAGE followed by western blot with 83647-3-RR (PIP4K2B antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



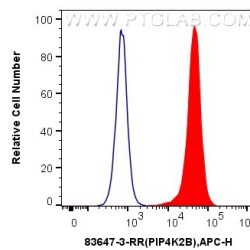
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 83647-3-RR (PIP4K2B antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 83647-3-RR (PIP4K2B antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using PIP4K2B antibody (83647-3-RR, Clone: 240645F10) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



$1 \times 10^6$  A549 cells were intracellularly stained with 0.25 ug PIP4K2B Recombinant antibody (83647-3-RR, Clone:240645F10) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).