

For Research Use Only

# PIP4K2A Polyclonal antibody

Catalog Number: 12469-1-AP

Featured Product

3 Publications



## Basic Information

Catalog Number:

12469-1-AP

Size:

600 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3152

GenBank Accession Number:

BC018034

GeneID (NCBI):

5305

UNIPROT ID:

P48426

Full Name:

phosphatidylinositol-5-phosphate 4-kinase, type II, alpha

Calculated MW:

406 aa, 46 kDa

Observed MW:

46 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 1:50-1:500

IF/ICC 1:50-1:500

## Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP

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 : mouse brain tissue, HeLa cells, rat brain tissue

IP : mouse brain tissue,

IHC : human spleen tissue, mouse brain tissue

IF/ICC : HepG2 cells, SH-SY5Y cells

## Background Information

### Notable Publications

| Author          | Pubmed ID | Journal                 | Application  |
|-----------------|-----------|-------------------------|--------------|
| Archana Ravi    | 33984270  | Dev Cell                | IF,IHC       |
| Mei Zhang       | 35987479  | Int J Biochem Cell Biol | IF,IHC,IP,WB |
| Joanna Triscott | 36724278  | Sci Adv                 | WB,IHC,IF    |

## 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

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

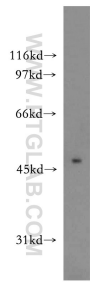
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

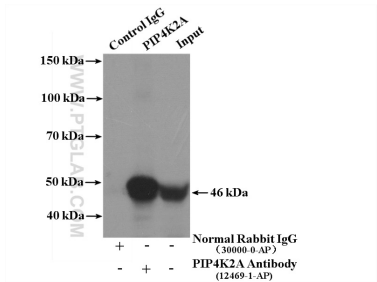
W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

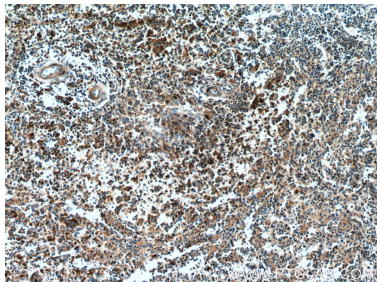
Selected Validation Data



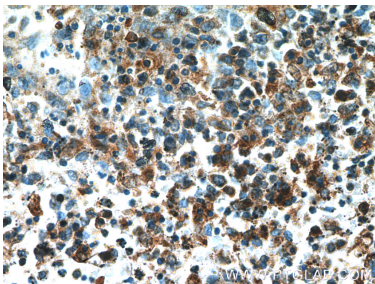
mouse brain tissue were subjected to SDS PAGE followed by western blot with 12469-1-AP (PIP4K2A antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



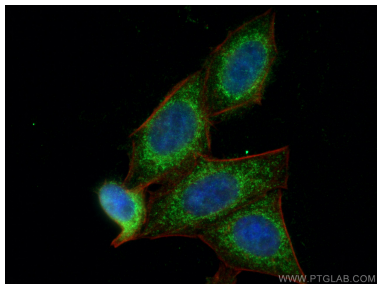
IP result of anti-PIP4K2A (IP:12469-1-AP, 4ug; Detection:12469-1-AP 1:500) with mouse brain tissue lysate 4400ug.



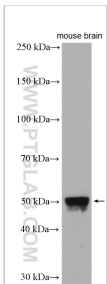
Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 12469-1-AP (PIP4K2A Antibody) at dilution of 1:200 (under 10x lens).



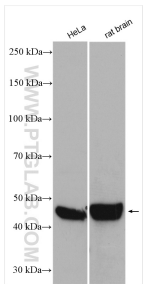
Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 12469-1-AP (PIP4K2A Antibody) at dilution of 1:200 (under 40x lens).



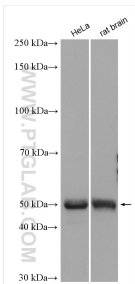
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using PIP4K2A antibody (12469-1-AP) at dilution of 1:200 and Coralite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (black).



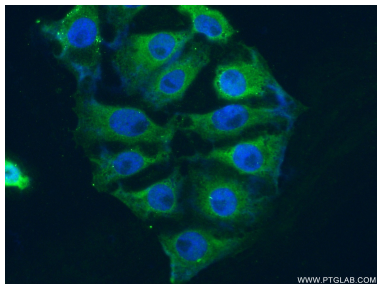
mouse brain tissue were subjected to SDS PAGE followed by western blot with 12469-1-AP (PIP4K2A antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 12469-1-AP (PIP4K2A antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 12469-1-AP (PIP4K2A antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed SH-SY5Y cells using 12469-1-AP (PIP4K2A antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).