

For Research Use Only

PIP4K2A Polyclonal antibody

Catalog Number: 12469-1-AP **3 Publications**



Basic Information

Catalog Number: 12469-1-AP	GenBank Accession Number: BC018034	Purification Method: Antigen affinity purification
Size: 600 µg/ml	GeneID (NCBI): 5305	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: P48426	IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate
Isotype: IgG	Full Name: phosphatidylinositol-5-phosphate 4-kinase, type II, alpha	IHC 1:50-1:500
Immunogen Catalog Number: AG3152	Calculated MW: 406 aa, 46 kDa	IF 1:50-1:500
	Observed MW: 46 kDa	

Applications

Tested Applications:
IF/ICC, IHC, IP, WB, ELISA

Cited Applications:
WB, IP, IF, IHC

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: SH-SY5Y cells, HepG2 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:

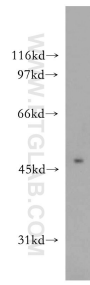
T: 4006900926

E: Proteintech-CN@ptglab.com

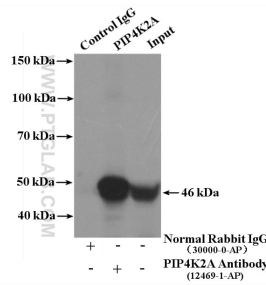
W: ptgcn.com

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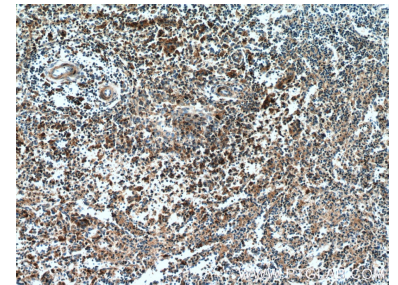
Selected Validation Data



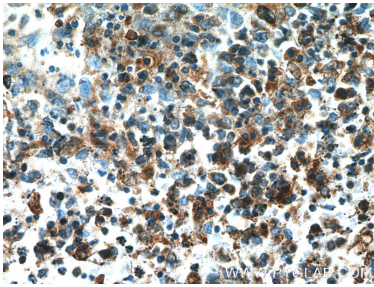
mouse brain tissue were subjected to SDS PAGE followed by western blot with 12469-1-AP (PIP4K2A antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



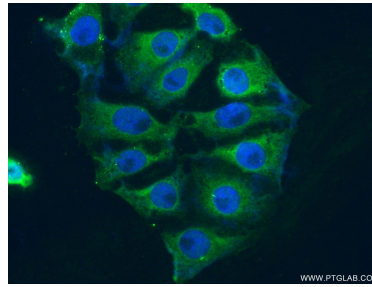
IP result of anti-PIP4K2A (IP:12469-1-AP, 4ug; Detection:12469-1-AP 1:500) with mouse brain tissue lysate 4400ug.



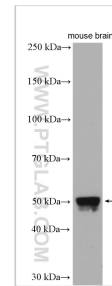
Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 12469-1-AP (PIP4K2A Antibody) at dilution of 1:200 (under 10x lens).



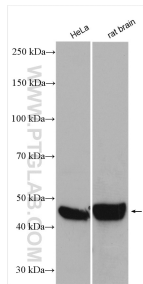
Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 12469-1-AP (PIP4K2A Antibody) at dilution of 1:200 (under 40x lens).



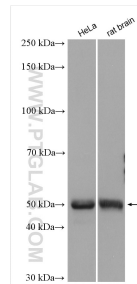
Immunofluorescent analysis of (4% PFA) fixed SH-SY5Y cells using 12469-1-AP (PIP4K2A antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



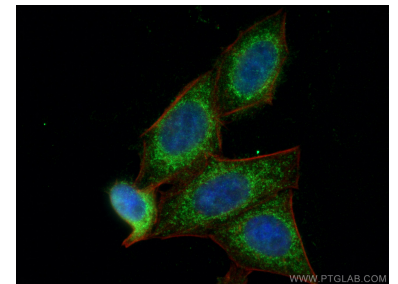
mouse brain tissue were subjected to SDS PAGE followed by western blot with 12469-1-AP (PIP4K2A antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



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 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).