

For Research Use Only

PIP4K2B Recombinant antibody

Catalog Number: 83647-3-RR



Basic Information

Catalog Number:

83647-3-RR

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4099

GenBank Accession Number:

BC027459

GeneID (NCBI):

8396

UNIPROT ID:

P78356

Full Name:

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

Calculated MW:

416 aa, 47 kDa

Observed MW:

45 kDa

Purification Method:

Protein A purification

CloneNo.:

240645F10

Recommended Dilutions:

WB: 1:5000-1:50000

IHC: 1:1000-1:4000

IF-P: 1:250-1:1000

FC (Intra): 0.25 ug per 10⁶ cells in a 100 µl suspension

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,

FC (Intra) : A549 cells,

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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

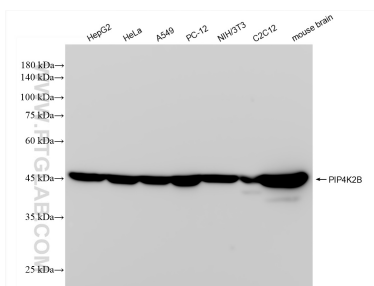
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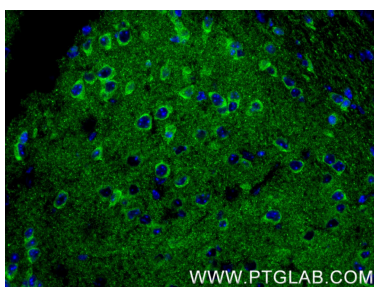
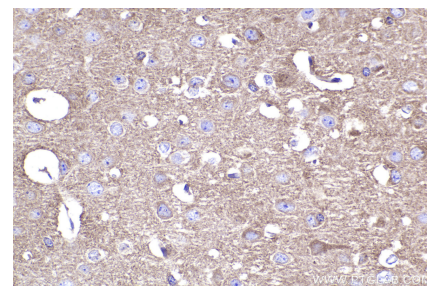
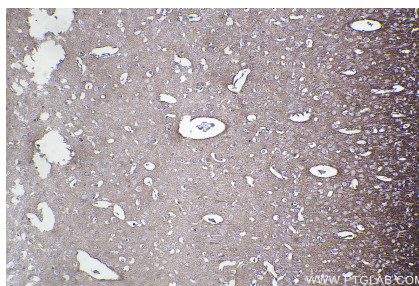
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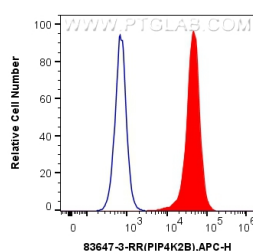
Selected Validation Data



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.



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).



1x10⁶ 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).