

For Research Use Only

PIP4K2C Polyclonal antibody

Catalog Number: 17077-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number:

17077-1-AP

Size:

450 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10989

GenBank Accession Number:

BC028596

GeneID (NCBI):

79837

UNIPROT ID:

Q8TBX8

Full Name:

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

Calculated MW:

421 aa, 47 kDa

Observed MW:

47 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:50-1:500

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human

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, HepG2 cells, PC-12 cells

IHC : human liver cancer tissue,

Background Information

PIP4K2C is involved in several processes, including 1-phosphatidyl-1D-myo-inositol 4,5-bisphosphate biosynthetic process; negative regulation of 1-phosphatidylinositol-4-phosphate 5-kinase activity; and positive regulation of autophagosome assembly. PIP4Ks negatively regulate insulin signaling through a catalytic-independent mechanism.

Notable Publications

Author	Pubmed ID	Journal	Application
Diana G Wang	31091439	Cell Rep	WB
Ismael AL-Ramahi	29256861	Elife	WB
Ron Benyair	37064812	Autophagy Rep	WB

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:

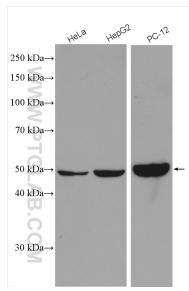
T: 4006900926

E: Proteintech-CN@ptglab.com

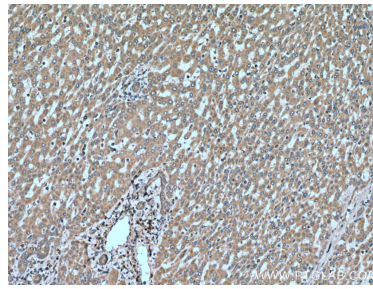
W: ptgcn.com

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

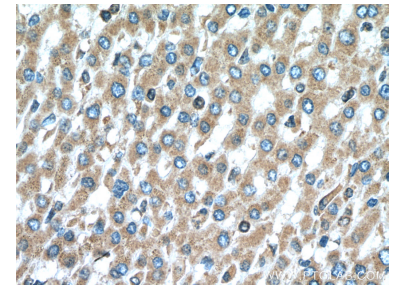
Selected Validation Data



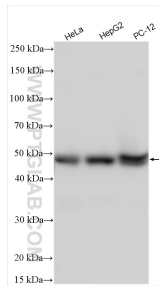
HeLa cells were subjected to SDS PAGE followed by western blot with 17077-1-AP (PIP4K2C antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



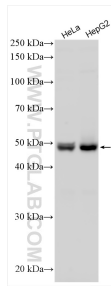
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 17077-1-AP (PIP4K2C antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



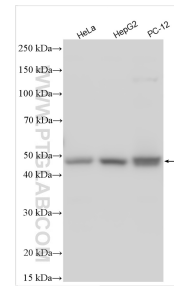
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 17077-1-AP (PIP4K2C antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 17077-1-AP (PIP4K2C antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 17077-1-AP (PIP4K2C antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 17077-1-AP (PIP4K2C antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.