

For Research Use Only

PI4KA Polyclonal antibody

Catalog Number: 12411-1-AP

Featured Product

11 Publications



Basic Information

Catalog Number:

12411-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3062

GenBank Accession Number:

BC018120

GeneID (NCBI):

5297

UNIPROT ID:

P42356

Full Name:

phosphatidylinositol 4-kinase, catalytic, alpha

Calculated MW:

2044 aa, 231 kDa

Observed MW:

231 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IF 1:200-1:800

Applications

Tested Applications:

IF/ICC, IP, WB, ELISA

Cited Applications:

WB, IF, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : HeLa cells, mouse brain tissue, human brain tissue, MCF-7 cells, NIH-3T3 cells (RNAi), rat brain tissue

IP : mouse brain tissue,

IF : MCF-7 cells,

Background Information

PI4KA, also named as PIK4, PIK4CA, belongs to the PI3/PI4-kinase family and Type III PI4K subfamily. It acts on phosphatidylinositol (PtdIns) in the first committed step in the production of the second messenger inositol-1,4,5-trisphosphate. PI4KA plays a role in the formation of membrane complexes where HCV replication takes place. (PMID:19605471).

Notable Publications

Author	Pubmed ID	Journal	Application
Jay Xiaojun Tan	36071159	Nature	WB
Xiuxing Jiang	36276647	Theranostics	WB
Ming Gao	28351005	Biomaterials	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:

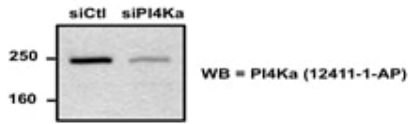
T: 4006900926

E: Proteintech-CN@ptglab.com

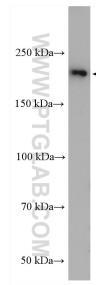
W: ptgcn.com

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

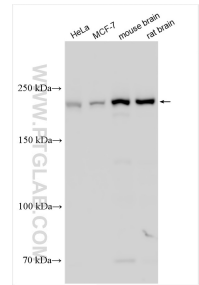
Selected Validation Data



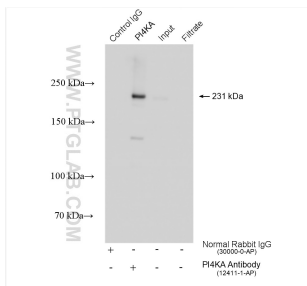
WB result of anti- PI4Ka (12411-1-AP) with NIH-3T3 cells (RNAi).



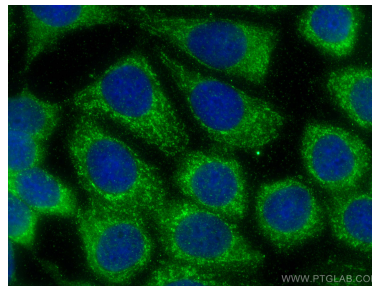
MCF-7 cells were subjected to SDS PAGE followed by western blot with 12411-1-AP (PI4KA antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 12411-1-AP (PI4KA antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



IP result of anti-PI4KA (IP:12411-1-AP, 4ug; Detection:12411-1-AP 1:3000) with mouse brain tissue lysate 1080 ug.



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using PI4KA antibody (12411-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).