

For Research Use Only

PI4KA Polyclonal antibody

Catalog Number: 12411-1-AP

Featured Product

11 Publications



Basic Information

Catalog Number: 12411-1-AP	GenBank Accession Number: BC018120	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop;	GeneID (NCBI): 5297	Recommended Dilutions: WB 1:1000-1:4000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IF 1:200-1:800
Source: Rabbit	Full Name: phosphatidylinositol 4-kinase, catalytic, alpha	
Isotype: IgG	Calculated MW: 2044 aa, 231 kDa	
Immunogen Catalog Number: AG3062	Observed MW: 231 kDa	

Applications

Tested Applications: IF, IP, WB, ELISA	Positive Controls:
Cited Applications: IF, IHC, WB	WB: HeLa cells, mouse brain tissue, human brain tissue, MCF-7 cells, NIH-3T3 cells (RNAi), rat brain tissue
Species Specificity: human, mouse, rat	IP: mouse brain tissue,
Cited Species: human, mouse	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

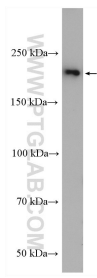
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

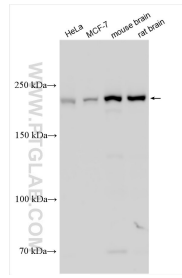
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

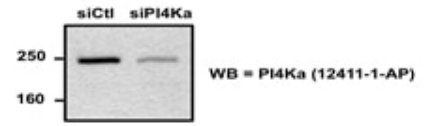
Selected Validation Data



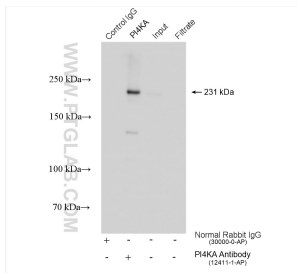
MCF-7 cells were subjected to SDS PAGE followed by western blot with 12411-1-AP (PI4KA antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



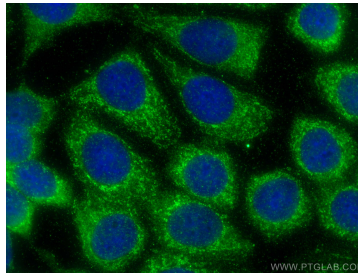
Various lysates were subjected to SDS PAGE followed by western blot with 12411-1-AP (PI4KA antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



WB result of anti- PI4KA (12411-1-AP) with NIH-3T3 cells (RNAi).



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).