

For Research Use Only

# PI4KA Recombinant antibody

Catalog Number: 82938-1-RR



## Basic Information

<b>Catalog Number:</b> 82938-1-RR	<b>GenBank Accession Number:</b> BC018120	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5297	<b>CloneNo.:</b> 230057G2
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P42356	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IF 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> phosphatidylinositol 4-kinase, catalytic, alpha	
<b>Immunogen Catalog Number:</b> AG3062	<b>Calculated MW:</b> 2044 aa, 231 kDa	
	<b>Observed MW:</b> 231 kDa	

## Applications

<b>Tested Applications:</b> IF, WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> Human, mouse, rat	<b>WB :</b> HeLa cells, mouse brain tissue, MCF-7 cells, HEK-293T cells, THP-1 cells, SKOV-3 cells, rat brain tissue
	<b>IF :</b> 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).

## 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

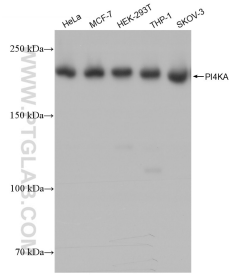
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

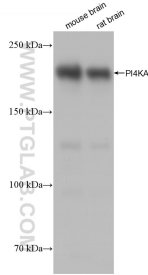
E: proteintech@ptglab.com  
W: ptglab.com

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

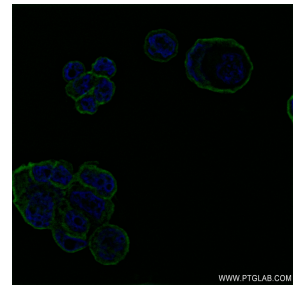
## Selected Validation Data



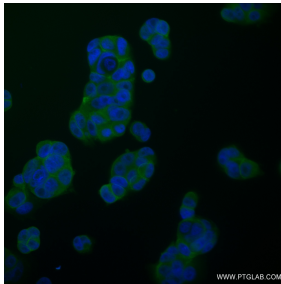
Various lysates were subjected to SDS PAGE followed by western blot with 82938-1-RR (PI4KA antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



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Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using PI4KA antibody (82938-1-RR, Clone: 230057G2) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



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