

# PIP4K2A Rabbit Polyclonal Antibody



CAB7446

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

46kDa

### Calculated MW:

39kDa/46kDa

### Applications:

WB IHC IF

### Reactivity:

Human, Mouse, Rat

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50  
- 1:200 IF 1:50 - 1:200

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein Background

Phosphatidylinositol-5, 4-bisphosphate, the precursor to second messengers of the phosphoinositide signal transduction pathways, is thought to be involved in the regulation of secretion, cell proliferation, differentiation, and motility. The protein encoded by this gene is one of a family of enzymes capable of catalyzing the phosphorylation of phosphatidylinositol-5-phosphate on the fourth hydroxyl of the myo-inositol ring to form phosphatidylinositol-5, 4-bisphosphate. The amino acid sequence of this enzyme does not show homology to other kinases, but the recombinant protein does exhibit kinase activity. This gene is a member of the phosphatidylinositol-5-phosphate 4-kinase family.

## Immunogen information

### Gene ID:

5305

### Uniprot

P48426

### Synonyms:

PIP4K2A; PI5P4KA; PIP5K2A; PIP5KII-alpha; PIP5KIIA; PIPK

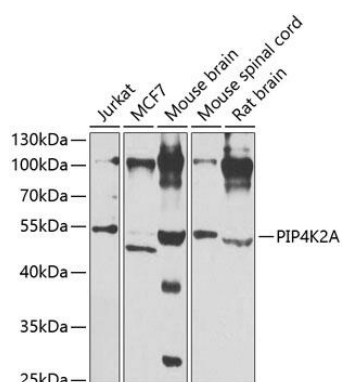
### Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 120-350 of human PIP4K2A (NP\_005019.2).

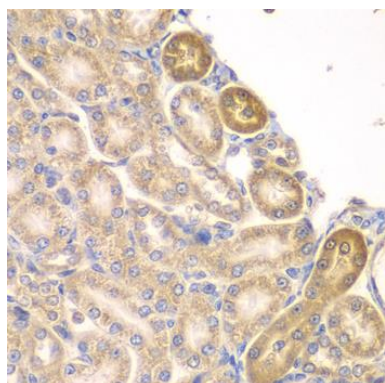
### Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

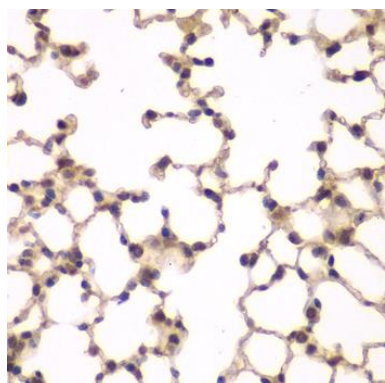
## Product Images



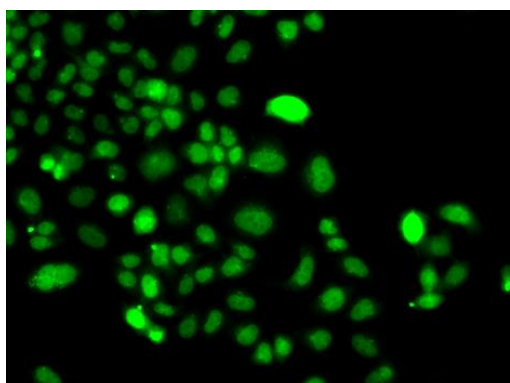
Western blot analysis of extracts of various cell lines, using PIP4K2A antibody (CAB7446) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (CABM00021). Exposure time: 90s.



Immunohistochemistry of paraffin-embedded rat kidney using PIP4K2A antibody (CAB7446) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse lung using PIP4K2A antibody (CAB7446) at dilution of 1:100 (40x lens).



Immunofluorescence analysis of A549 cells using PIP4K2A antibody (CAB7446).