

PIP4K2A Rabbit Polyclonal Antibody

Catalog No: #55220

Package Size: #55220-1 50ul #55220-2 100ul

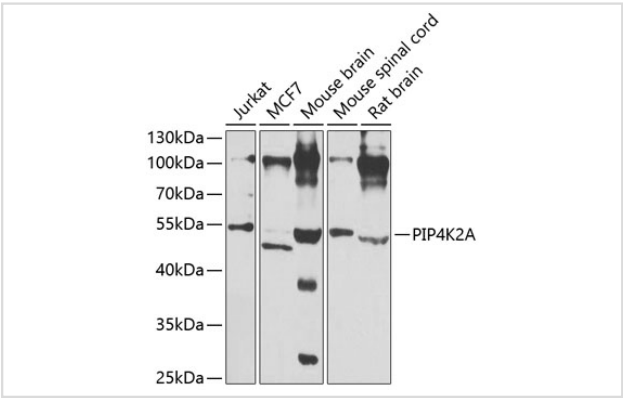
Description

Product Name	PIP4K2A Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant fusion protein of human PIP4K2A (NP_005019.2).
Conjugates	Unconjugated
Other Names	PIP4K2A;PI5P4KA;PIP5K2A;PIP5KII-alpha;PIP5KIIA;PIPK
Accession No.	Swiss Prot:P48426GenelD:5305
Calculated MW	39kDa/46kDa
SDS-PAGE MW	46kDa
Formulation	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

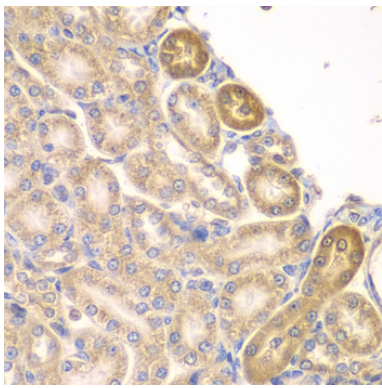
Application Details

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

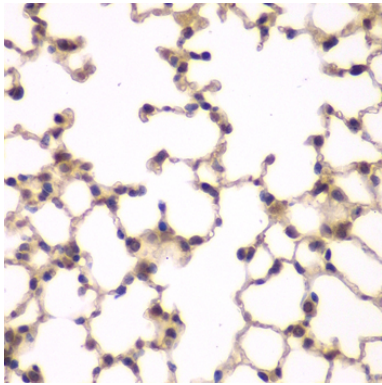
Images



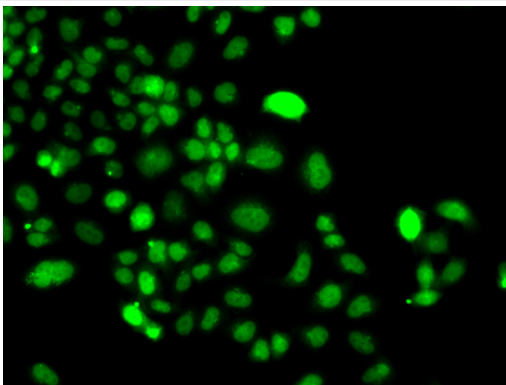
Western blot analysis of extracts of various cell lines, using PIP4K2A at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 90s.



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



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



Immunofluorescence analysis of A549 cells using PIP4K2A .

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.