

PIP4K2A

Reactivity: Human Mouse Rat

Tested applications: WB IHC IF

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

Calculated MW: 46kDa

Observed MW: Refer to figures

Immunogen:

Recombinant protein of human PIP4K2A

Storage Buffer:

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

Synonym:

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

Catalog #: A7446

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 5305

Isotype: IgG

Swiss Prot: P48426

Purity: Affinity purification

For research use only.

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.

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