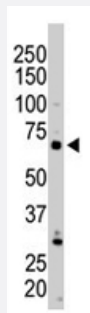


PIP5K1C polyclonal antibody

Catalog # PAB2132

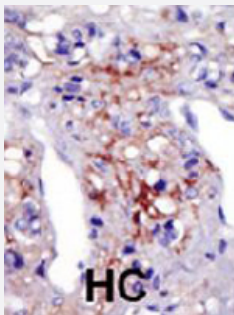
Size 400 uL

Applications



Western Blot (Cell lysate)

The PIP5K1C polyclonal antibody (Cat # PAB2132) is used in Western blot to detect PIP5K1C in 293 cell lysate.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with PIP5K1C polyclonal antibody (Cat # PAB2132), which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. HC = hepatocarcinoma.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PIP5K1C.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human PIP5K1C.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification

Recommend Usage	Western Blot (1:1000) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

The PIP5K1C polyclonal antibody (Cat # PAB2132) is used in Western blot to detect PIP5K1C in 293 cell lysate.

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Gene Info — PIP5K1C

Entrez GeneID	23396
Protein Accession#	NP_036530;O60331
Gene Name	PIP5K1C
Gene Alias	KIAA0589, LCCS3, PIP5K-GAMMA, PIP5Kgamma
Gene Description	phosphatidylinositol-4-phosphate 5-kinase, type I, gamma
Omim ID	606102 611369
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the type I phosphatidylinositol-4-phosphate 5-kinase family of enzymes. A similar protein in mice is found in synapses and focal adhesion plaques, and binds the FERM domain of talin through its C-terminus. [provided by RefSeq]
Other Designations	Human homolog of mouse phosphatidylinositol-4-phosphate 5-kinase I-gamma PtdIns(4)P-5-kinase diphosphoinositide kinase phosphatidylinositol-4-phosphate 5-kinase I-gamma type I PIP kinase

Publication Reference

- [Type I gamma phosphatidylinositol phosphate kinase targets and regulates focal adhesions.](#)

Ling K, Doughman RL, Firestone AJ, Bunce MW, Anderson RA.

Nature 2002 Nov; 420(6911):89.

Application: IF, IP, IP-WB, WB-Ce, Human, Mouse, SH-Sy5y, PC-12, MCF-7, U2OS, NRK, 3T3, 293T cells, Brain

- [Type I phosphatidylinositol-4-phosphate 5-kinases. Cloning of the third isoform and deletion/substitution analysis of members of this novel lipid kinase family.](#)

Ishihara H, Shibasaki Y, Kizuki N, Wada T, Yazaki Y, Asano T, Oka Y.

The Journal of Biological Chemistry 1998 Apr; 273(15):8741.

Application: WB-Ti, WB-Tr, Mouse, Monkey, COS-7 cells, Brain

Pathway

- [Endocytosis](#)
- [Fc gamma R-mediated phagocytosis](#)
- [Focal adhesion](#)
- [Inositol phosphate metabolism](#)
- [Metabolic pathways](#)
- [Phosphatidylinositol signaling system](#)
- [Regulation of actin cytoskeleton](#)

Disease

- [Disease Progression](#)
- [Disease Susceptibility](#)
- [HIV Infections](#)