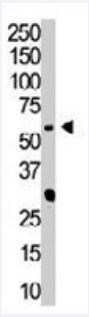
PIP5K1A polyclonal antibody

Catalog # PAB3232 Size 400 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of PIP5K1A polyclonal antibody (Cat # PAB3232) in HeLa cell lysate. PIP5K1A (arrow) was detected using purified polyclonal antibody. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PIP5K1A.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human PIP5K1A.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification
Recommend Usage	Western Blot (1:1000) 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 shoul d be handled by trained staff only.

Applications

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Gene Info — PIP5K1A

Entrez GeneID	8394
Protein Accession#	NP_003548;Q99755
Gene Name	PIP5K1A
Gene Alias	-
Gene Description	phosphatidylinositol-4-phosphate 5-kinase, type I, alpha
Omim ID	603275
Gene Ontology	Hyperlink
Gene Summary	type I
Other Designations	OTTHUMP00000014290

Publication Reference

- Membrane ruffling requires coordination between type Ialpha phosphatidylinositol phosphate kinase and Rac signaling.

  Doughman RL, Firestone AJ, Wojtasiak ML, Bunce MW, Anderson RA.

  The Journal of Biological Chemistry 2003 Jun; 278(25):23036.

  Application: IF, WB, Human, MG-63 fibroblasts

- Assignment of type I phosphatidylinositol-4-phosphate 5-kinase (PIP5K1A) to human chromosome bands 1q22--> q24 by in situ hybridization.

  Xie Y, Zhu L, Zhao G.

  Cytogenetics and Cell Genetics 2000 Jan; 88(3-4):197.

- Type I phosphatidylinositol-4-phosphate 5-kinases are distinct members of this novel lipid kinase family.

  Loijens JC, Anderson RA.

  The Journal of Biological Chemistry 1996 Dec; 271(51):32937.

  Application: WB-Re, N/A, Recombinant protein

Pathway

- Endocytosis
- Fc gamma R-mediated phagocytosis
- Inositol phosphate metabolism
- Metabolic pathways
- Phosphatidylinositol signaling system
- Regulation of actin cytoskeleton