

Rabbit anti-Human PIP5K1B Polyclonal Antibody | anti-PIP5K1B antibody

PIP5K1B Antibody (N-term)

CATALOG # AAA287863	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot, Immunohistochemistry, ELISA
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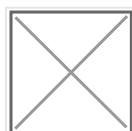
PRODUCT SYNONYMS

PIP5K1B; Polyclonal Antibody; PIP5K1B Antibody (N-term); Phosphatidylinositol 4-phosphate 5-kinase type-1 beta; PIP5K1-beta; PtdIns(4)P-5-kinase 1 beta; Phosphatidylinositol 4-phosphate 5-kinase type I beta; PIP5K1beta; Protein STM-7; Type I phosphatidylinositol 4-phosphate 5-kinase beta; STM7; anti-PIP5K1B antibody

PRODUCT SPECIFICATIONS

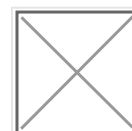
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PIP5K1B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human PIP5K1B.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	1-30
Sequence Length	502
Applicable Applications for anti-PIP5K1B antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human brain tissue reacted with PIP5K1B antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of anti-PIP5K1B Pab in human placenta cell lysate. PIP5K1B (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-PIP5K1B antibody	Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the γ phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. With more than 500 gene products, the protein kinase family is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains.
Product Categories/Family for anti-PIP5K1B antibody	Signal Transduction
References	Blume-Jensen P, et al. Nature 2001. 411: 355. Cantrell D, J. Cell Sci. 2001. 114: 1439. Jhiang S Oncogene 2000. 19: 5590. Manning G, et al. Science 2002. 298: 1912. Moller, D, et al. Am. J. Physiol. 1994. 266: C351-C359. Robertson, S. et al. Trends Genet. 2000. 16: 368. Robinson D, et al. Oncogene 2000. 19: 5548. Van der Ven, P, et al. Hum. Molec. Genet. 1993. 2: 1889. Vanhaesebroeck, B, et al. Biochem. J. 2000. 346: 561. Van Weering D, et al. Recent Results Cancer Res. 1998. 154: 271.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505817
NCBI GeneID	8395
NCBI Accession #	NP_003549.1
NCBI GenBank Nucleotide #	NM_003558.3
UniProt Accession #	O14986; P78518; P78519; Q5T5K6; Q5T5K8; Q5T5K9; Q5VZ00; Q7KYT5; Q8NHQ5; Q92749; A8K9L9; B4DIG7
Molecular Weight	61036
NCBI Official Full Name	phosphatidylinositol 4-phosphate 5-kinase type-1 beta isoform 2
NCBI Official Synonym Full Names	phosphatidylinositol-4-phosphate 5-kinase, type I, beta
NCBI Official Symbol	PIP5K1B
NCBI Official Synonym Symbols	MSS4; STM7
NCBI Protein Information	phosphatidylinositol 4-phosphate 5-kinase type-1 beta
UniProt Protein Name	Phosphatidylinositol 4-phosphate 5-kinase type-1 beta
UniProt Gene Name	PIP5K1B
UniProt Synonym Gene Names	STM7; PIP5K1-beta; PtdIns(4)P-5-kinase 1 beta; PIP5K1beta
UniProt Entry Name	PI51B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.