

Rabbit anti-Human, Mouse PIP5K Polyclonal Antibody | anti-PIP5K antibody

PIP5K Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA308337	Rabbit	Human, Mouse	Immunofluorescence, Western Blot

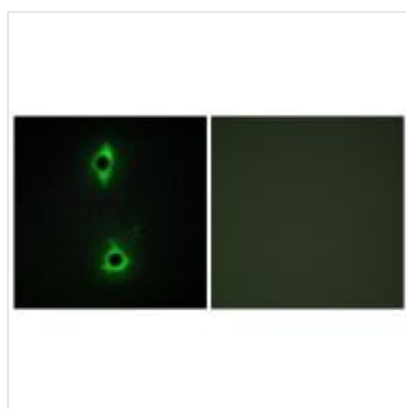
PRODUCT SYNONYMS

PIP5K; Polyclonal Antibody; PIP5K Antibody; 1-phosphatidylinositol-4-phosphate 5-kinase; EC 2.7.1.68; FYV1; FYVE finger-containing phosphoinositide kinase; KIAA0981; anti-PIP5K antibody

PRODUCT SPECIFICATIONS

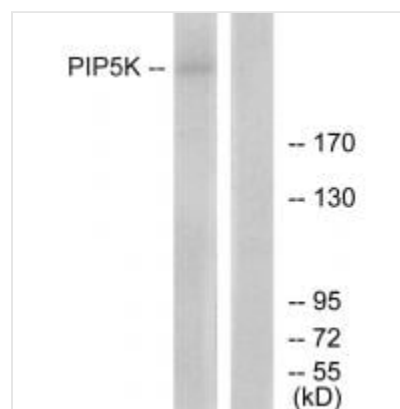
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total PIP5K protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	548
Applicable Applications for anti-PIP5K antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human PIP5K.
Target Name	PIP5K
Preparation and Storage	Store at -20 degree C

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of COS7 cells, using PIP5K antibody.



WB (Western Blot)

Western blot analysis of extracts from HepG2 cells, using PIP5K antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PIP5K antibody	The PI(3,5)P2 regulatory complex regulates both the synthesis and turnover of phosphatidylinositol 3,5-bisphosphate (PtdIns(3,5)P2). Catalyzes the phosphorylation of phosphatidylinositol 3-phosphate on the fifth hydroxyl of the myo-inositol ring, to form phosphatidylinositol 3,5-bisphosphate. Required for endocytic-vacuolar pathway and nuclear migration. Plays a role in the biogenesis of endosome carrier vesicles (ECV)/ multivesicular bodies (MVB) transport intermediates from early endosomes.Ota T., Nat. Genet. 36:40-45(2004).Sbrissa D., J. Biol. Chem. 277:6073-6079(2002).Brill L.M., Anal. Chem. 76:2763-2772(2004).
Product Categories/Family for anti-PIP5K antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	295789162
NCBI GeneID	200576
NCBI Accession #	NP_001171471.1
NCBI GenBank Nucleotide #	NM_001178000.1
UniProt Accession #	Q9Y2I7; Q08AR7; Q08AR8; Q53ST3; Q53T36; Q8N5H0; Q8NB67
Molecular Weight	61,595 Da
NCBI Official Full Name	1-phosphatidylinositol 3-phosphate 5-kinase isoform 4
NCBI Official Synonym Full Names	phosphoinositide kinase, FYVE finger containing
NCBI Official Symbol	PIKFYVE
NCBI Official Synonym Symbols	CFD; FAB1; HEL37; PIP5K; PIP5K3; ZFYVE29
NCBI Protein Information	1-phosphatidylinositol 3-phosphate 5-kinase
UniProt Protein Name	1-phosphatidylinositol 3-phosphate 5-kinase
UniProt Gene Name	PIKFYVE
UniProt Synonym Gene Names	KIAA0981; PIP5K3; Phosphatidylinositol 3-phosphate 5-kinase; PIPkin-III; Type III PIP kinase
UniProt Entry Name	FYV1_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pip5k-antibody-immunofluorescence-western-blot-elisa/308337>