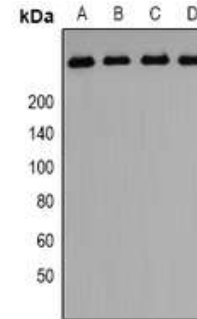


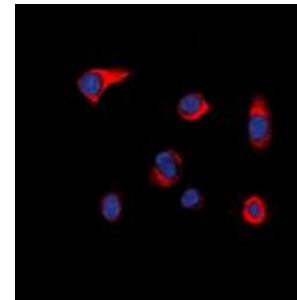
Anti-PIP5K Antibody

CATALOG NO:	A1237-100
ALTERNATIVE NAMES:	KIAA0981; PIP5K3; 1-phosphatidylinositol 3-phosphate 5-kinase; Phosphatidylinositol 3-phosphate 5-kinase; FYVE finger-containing phosphoinositide kinase; PIKfyve; Phosphatidylinositol 3-phosphate 5-kinase type III; PIPkin-III; Type III PIP kinase
AMOUNT:	100 µl
IMMUNOGEN:	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human PIP5K
HOST/ISOTYPE:	Rabbit IgG
CLONALITY:	Polyclonal
SPECIFICITY:	Recognizes endogenous levels of PIP5K protein
SPECIES REACTIVITY:	Human and Rat
PURIFICATION:	The antibody was purified by affinity chromatography
FORM:	Liquid
FORMULATION:	Supplied in 0.42% Potassium phosphate; 0.87% Sodium chloride; pH 7.3; 30% glycerol and 0.01% sodium azide
STORAGE CONDITIONS:	Shipped at 4°C. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles
DESCRIPTION:	The PI(3,5)P ₂ regulatory complex regulates both the synthesis and turnover of phosphatidylinositol 3,5-bisphosphate (PtdIns(3,5)P ₂). 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
APPLICATION:	WB; 1:500 – 1:2000

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



Western blot analysis of PIP5K expression in A549 (A); HepG2 (B); PC3 (C)rat testis (D) whole cell lysates.



Immunofluorescent analysis of PIP5K staining in HepG2 cells

RELATED PRODUCTS:

- PI3 kinase antibody (Cat. No. 3959-100)
- SPHKAP Antibody (Cat. No. 6656-30T, -100)
- AMPKβ Antibody (Cat. No. 3108-100)
- PI3Kβ Antibody (Cat. No. 3146-100)

FOR RESEARCH USE ONLY! Not to be used on humans.