

PIP5K Antibody

Catalog No: #34128

Package Size: #34128-1 50ul #34128-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

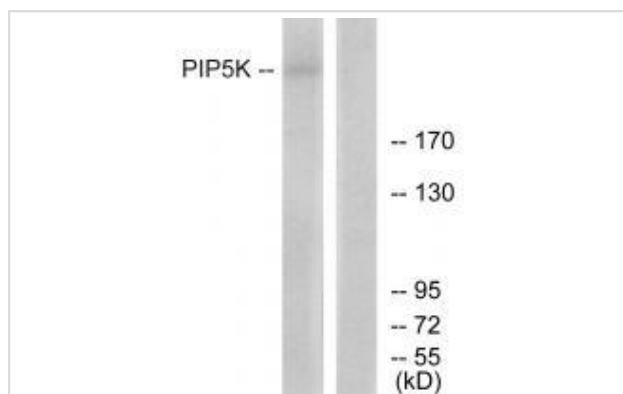
Product Name	PIP5K Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IF
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total PIP5K protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human PIP5K.
Target Name	PIP5K
Other Names	1-phosphatidylinositol-4-phosphate 5-kinase; EC 2.7.1.68; FYV1; FYVE finger-containing phosphoinositide kinase; KIAA0981
Accession No.	Swiss-Prot: Q9Y2I7NCBI Gene ID: 200576
Uniprot	Q9Y2I7
GeneID	200576;
SDS-PAGE MW	237kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500~1:3000

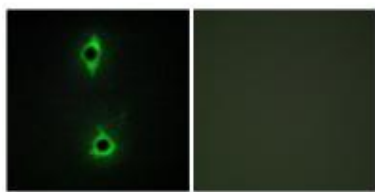
Immunofluorescence: 1:100~1:500

Images



Western blot analysis of extracts from HepG2 cells, using PIP5K antibody #34128.

Immunofluorescence analysis of COS7 cells, using PIP5K antibody #34128.



Background

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).

Note: This product is for in vitro research use only