ELK Biotechnology

PIPK I γ rabbit pAb

Cat No.:ES3212

For research use only

Overview

Product Name	PIPK I γ rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human PIP5K1C. AA range:305-354
Specificity	PIPK I γ Polyclonal Antibody detects endogenous levels of PIPK I γ protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Phosphatidylinositol 4-phosphate 5-kinase type-1 gamma
Gene Name	PIP5K1C
Cellular localization	Cell membrane; Peripheral membrane protein; Cytoplasmic side . Endomembrane system . Cytoplasm . Cell junction, focal adhesion . Cell junction, adherens junction . Cell projection, ruffle membrane . Cell projection, phagocytic cup . Cell projection, uropodium . Detected in plasma membrane invaginations. Isoform 3 is detected in intracellular vesicle-like structures.; [Isoform 2]: Cytoplasm. Nucleus.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	80kD
Human Gene ID	23396

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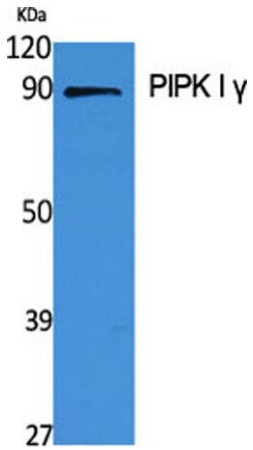
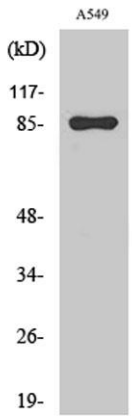
Human Swiss-Prot Number	O60331
Alternative Names	PIP5K1C; KIAA0589; Phosphatidylinositol 4-phosphate 5-kinase type-1 gamma; PIP5K1-gamma; PtdIns(4)P-5-kinase 1 gamma; Phosphatidylinositol 4-phosphate 5-kinase type I gamma; PIP5KIgamma
Background	phosphatidylinositol-4-phosphate 5-kinase type 1 gamma(PIP5K1C) Homo sapiens This locus encodes a type I phosphatidylinositol 4-phosphate 5-kinase. The encoded protein catalyzes phosphorylation of phosphatidylinositol 4-phosphate, producing phosphatidylinositol 4,5-bisphosphate. This enzyme is found at synapses and has been found to play roles in endocytosis and cell migration. Mutations at this locus have been associated with lethal congenital contractural syndrome. Alternatively spliced transcript variants encoding different isoforms have been described.[provided by RefSeq, Sep 2010],



Western Blot analysis of various cells using PIPK I γ Polyclonal Antibody



Western Blot analysis of A549 cells using PIPK I γ Polyclonal Antibody

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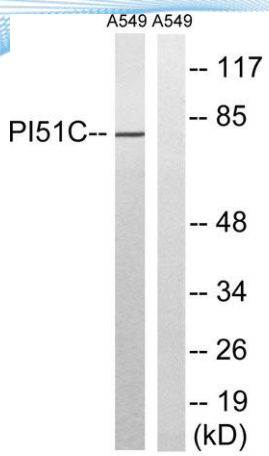
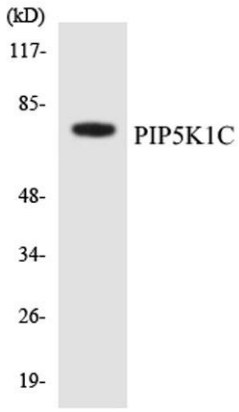


Western blot analysis of lysates from A549 cells, using PIP5K1C Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HepG2 cells using PIP5K1C antibody.

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