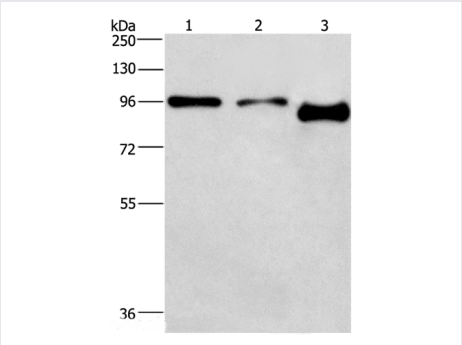
PIP5K1C Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PIP5K1C, Polyclonal Antibody
Full Product Name	PIP5K1C Polyclonal Antibody
Product Gene Name	anti-PIP5K1C antibody
Product Synonym Names	LCCS3; PIPKIg_v4; PIP5Kgamma; PIP5K-GAMMA
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purity/Purification	Antigen affinity purification
Concentration	0.6mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.
Molecular Weight	70,214 Da
OMIM	606102
Immunogen	Synthetic peptide of human PIP5K1C
Buffer	PBS with 0.05% sodium azide, 50% glycerol, pH7.3
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-PIP5K1C antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-PIP5K1C antibody	WB: 1:200-1:1000
Related Product Information for anti-PIP5K1C antibody	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.
Other Notes	Small volumes of anti-PIP5K1C antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PIP5K1C purchase	MBS2523736 is an antibody targeting PIP5K1C. Also known as PIP5K1C Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-PIP5K1C antibody
Western Blot analysis of A431 and hela cell,Mouse brain tissue using PIP5K1C Polyclonal Antibody at dilution of 1:500

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PIP5K1C. It may not necessarily be applicable to this product.

NCBI GI #	664806078
NCBI GeneID	23396
NCBI Accession #	NP_001287778.1
UniProt Secondary Accession #	Q7LE07; B7Z9E7; C6GIJ7; C6GIJ8
UniProt Related Accession #	O60331
GenBank Nucleotide #	NM_001300849.1
NCBI Official Full Name	phosphatidylinositol 4-phosphate 5-kinase type-1 gamma isoform 3
NCBI Official Synonym Full Names	phosphatidylinositol-4-phosphate 5-kinase, type I, gamma
NCBI Official Symbol	PIP5K1C
NCBI Official Synonym Symbols	LCCS3; PIP5Kgamma; PIP5K-GAMMA; PIP5K1-gamma
UniProt Protein Name	Phosphatidylinositol 4-phosphate 5-kinase type-1 gamma
UniProt Synonym Protein Names	Phosphatidylinositol 4-phosphate 5-kinase type I gamma; PIP5KIgamma
Protein Family	Phosphatidylinositol 4-phosphate 5-kinase
UniProt Gene Name	PIP5K1C
UniProt Synonym Gene Names	KIAA0589; PIP5K1-gamma; PtdIns(4)P-5-kinase 1 gamma; PIP5KIgamma
UniProt Entry Name	PI51C_HUMAN
NCBI Protein Information	phosphatidylinositol 4-phosphate 5-kinase type-1 gamma; diphosphoinositide kinase; ptdIns(4)P-5-kinase 1 gamma; type I PIP kinase
NCBI Summary for PIP5K1C	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]

UniProt Comments for PIP5K1C	PIP5K1C: a member of the type I phosphatidylinositol-4-phosphate 5-kinase family of enzymes. A similar protein in mice is found in synapses and focal adhesion plaques, and binds the FERM domain of talin through its C-terminus. Protein type: EC 2.7.1.68; Motility/polarity/chemotaxis; Kinase, lipid; Carbohydrate Metabolism - inositol phosphate Chromosomal Location of Human Ortholog: 19p13.3 Cellular Component: focal adhesion; endomembrane system; uropod; cytosol; nucleus; phagocytic cup Molecular Function: protein binding; 1-phosphatidylinositol-4-phosphate 5-kinase activity; ATP binding Biological Process: axon guidance; neutrophil chemotaxis; synaptic vesicle exocytosis; cell-cell adhesion; cytoskeletal anchoring; phosphoinositide phosphorylation; phospholipid metabolic process; synaptic vesicle endocytosis; phosphatidylinositol biosynthetic process; actin cytoskeleton organization and biogenesis; phagocytosis Disease: Lethal Congenital Contracture Syndrome 3
Research Articles on PIP5K1C	**1.** PIPKIgamma binds to the cryptic polo-box domain of PLK4 and reduces the kinase activity of PLK4.
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