

Rabbit PIP4K2C Polyclonal Antibody | anti-PIP4K2C antibody

PIP4K2C Antibody (N-term)

CATALOG # AAA284977	HOST Rabbit	REACTIVITY Mouse, rat (Predicted Reactivity: Bovine)	APPLICATIONS ELISA, Western Blot
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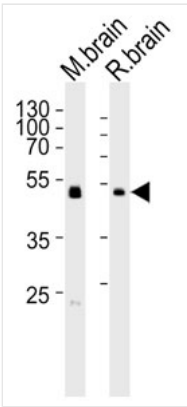
PRODUCT SYNONYMS

PIP4K2C; Polyclonal Antibody; PIP4K2C Antibody (N-term); Phosphatidylinositol 5-phosphate 4-kinase type-2 gamma; Phosphatidylinositol 5-phosphate 4-kinase type II gamma; PI(5)P 4-kinase type II gamma; PIP4KII-gamma; PIP5K2C; anti-PIP4K2C antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, rat (Predicted Reactivity: Bovine)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PIP4K2C antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 23-57amino acids from the N-terminal region of human PIP4K2C.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Length	403
Applicable Applications for anti-PIP4K2C antibody	ELISA, WB (Western Blot)
Function	Phosphatidylinositol 5-phosphate 4-kinase with low enzymatic activity. May be a GTP sensor, has higher GTP-dependent kinase activity than ATP-dependent kinase activity. PIP4Ks negatively regulate insulin signaling through a catalytic-independent mechanism. They interact with PIP5Ks and suppress PIP5K mediated PtdIns (4,5) p2 synthesis and insulin-dependent conversion to PtdIns (3,4,5) P3.
Function	May play an important role in the production of Phosphatidylinositol bisphosphate (PIP2), in the endoplasmic reticulum.
Cellular Location	Cytoplasm. Membrane. Note=Mostly found in the cytosol and surrounding plasma membrane. However, its presence in the endoplasmic reticulum seems to be a prerequisite for PIP2 synthesis (By similarity).
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
Western blot analysis of lysates from mouse brain and rat brain tissue lysate(from left to right), using PIP4K2C Antibody (N-term). AAA284977 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.

ADDITIONAL INFORMATION

Related Product Information for anti-PIP4K2C antibody	May play an important role in the production of Phosphatidylinositol bisphosphate (PIP2), in the endoplasmic reticulum (By similarity).
Product Categories/Family for anti-PIP4K2C antibody	Signal Transduction
References	Ota T.,et al.Nat. Genet. 36:40-45(2004). Scherer S.E.,et al.Nature 440:346-351(2006). Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases. Daub H.,et al.Mol. Cell 31:438-448(2008). Gauci S.,et al.Anal. Chem. 81:4493-4501(2009).

NCBI AND UNIPROT INFORMATION

NCBI GI #	226371739
NCBI GeneID	79837
NCBI Accession #	NP_001139730.1
NCBI GenBank Nucleotide #	NM_001146258.1
UniProt Accession #	Q8TBX8; Q9H6N2; B2RDL3; B4DM11; B4DY44
Molecular Weight	Calculated MW:47300
NCBI Official Full Name	phosphatidylinositol 5-phosphate 4-kinase type-2 gamma isoform a
NCBI Official Synonym Full Names	phosphatidylinositol-5-phosphate 4-kinase, type II, gamma
NCBI Official Symbol	PIP4K2C
NCBI Official Synonym Symbols	PIP5K2C
NCBI Protein Information	phosphatidylinositol 5-phosphate 4-kinase type-2 gamma
UniProt Protein Name	Phosphatidylinositol 5-phosphate 4-kinase type-2 gamma
UniProt Gene Name	PIP4K2C
UniProt Synonym Gene Names	PIP5K2C; PI(5)P 4-kinase type II gamma; PIP4KII-gamma
UniProt Entry Name	PI42C_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://www.aaabiotech.com/polyclonal/pip4k2c-antibody-western-blot-elisa/284977>