

PIP4K2C Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20635a

Specification

PIP4K2C Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O8TBX8
Other Accession	O88370 , O91XU3 , O0P5F7
Reactivity	Mouse, Rat
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	47300

PIP4K2C Antibody (N-term) - Additional Information

Gene ID 79837

Other Names

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, PIP4K2C, PIP5K2C

Target/Specificity

This PIP4K2C antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 23-57 amino acids from the N-terminal region of human PIP4K2C.

Dilution

WB~~1:1000

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.

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.

Precautions

PIP4K2C Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

PIP4K2C Antibody (N-term) - Protein Information

Name PIP4K2C ([HGNC:23786](#))

Synonyms PIP5K2C

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 (PubMed:[31091439](#)).

Cellular Location

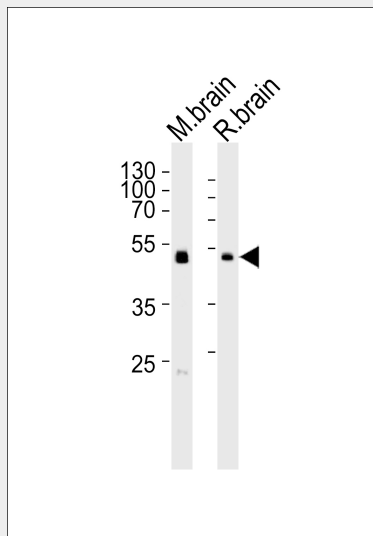
Endoplasmic reticulum {ECO:0000250|UniProtKB:O88370}. Cytoplasm {ECO:0000250|UniProtKB:O88370}

PIP4K2C Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PIP4K2C Antibody (N-term) - Images



Western blot analysis of lysates from mouse brain and rat brain tissue lysate (from left to right), using PIP4K2C Antibody (N-term) (Cat. #AP20635a). AP20635a 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.

PIP4K2C Antibody (N-term) - Background

May play an important role in the production of Phosphatidylinositol bisphosphate (PIP₂), in the endoplasmic reticulum (By similarity).

PIP4K2C Antibody (N-term) - 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).