

Pi4k2b antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14075**Specification**

Pi4k2b antibody - N-terminal region - Product Information

Application	WB
Primary Accession	Q8CBQ5
Other Accession	NM_025951 , NP_080227
Reactivity	Human, Mouse, Rat, Rabbit, Horse, Yeast, Bovine, Guinea Pig, Dog
Predicted	Human, Rabbit, Chicken, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	52kDa kDa

Pi4k2b antibody - N-terminal region - Additional Information**Gene ID** 67073**Alias Symbol** 2610042N09Rik, 4933409G22Rik**Other Names**

Phosphatidylinositol 4-kinase type 2-beta, 2.7.1.67, Phosphatidylinositol 4-kinase II-beta, Pi4k2b

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-Pi4k2b antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

Pi4k2b antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Pi4k2b antibody - N-terminal region - Protein Information**Name** Pi4k2b**Function**

Together with PI4K2A and the type III PI4Ks (PIK4CA and PIK4CB) it contributes to the overall PI4-kinase activity of the cell. This contribution may be especially significant in plasma membrane, endosomal and Golgi compartments. The phosphorylation of phosphatidylinositol (PI) to PI4P is the first committed step in the generation of phosphatidylinositol 4,5-bisphosphate (PIP2), a precursor of the second messenger inositol 1,4,5-trisphosphate (InsP3). Contributes to the production of InsP3 in stimulated cells and is likely to be involved in the regulation of vesicular trafficking.

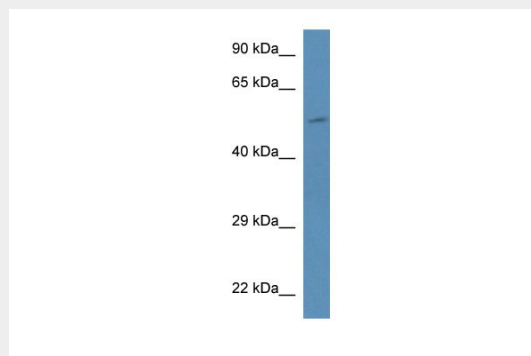
Cellular Location

Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q8TCG2}. Golgi apparatus membrane {ECO:0000250|UniProtKB:Q8TCG2}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q8TCG2}. Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q8TCG2}. Cell membrane {ECO:0000250|UniProtKB:Q8TCG2}. Early endosome membrane {ECO:0000250|UniProtKB:Q8TCG2}. Note=Mainly cytosolic, association with membranes of the Golgi, endoplasmic and plasma membrane is stimulated by active RAC1. Association with early endosomes has not been confirmed. {ECO:0000250|UniProtKB:Q8TCG2}

Pi4k2b antibody - N-terminal region - 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](#)

Pi4k2b antibody - N-terminal region - Images

WB Suggested Anti-Pi4k2b Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Liver

Pi4k2b antibody - N-terminal region - References

Hong W.,et al.Submitted (AUG-2001) to the EMBL/GenBank/DDBJ databases.
Li W.,et al.Submitted (SEP-2002) to the EMBL/GenBank/DDBJ databases.
Carninci P.,et al.Science 309:1559-1563(2005).
Trost M.,et al.Immunity 30:143-154(2009).