10320 Camino Santa Fe, Suite G
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# 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 type 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.

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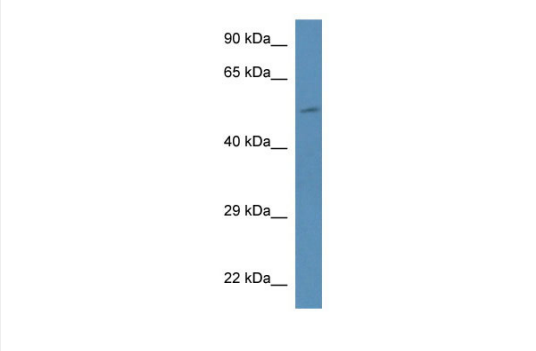
**Cellular Location**
Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q8TCG2}. Golgi apparatus membrane {ECO:0000250|UniProtKB:Q8TCG2}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q8TCG2}. Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q8TCG2}. Cell membrane {ECO:0000250|UniProtKB:Q8TCG2}. Early 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 Cytomety
- 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).