

Pi4k2b antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI14075

Product Information

Application	WB
Primary Accession	Q8CBQ5
Other Accession	NM_025951 , NP_080227
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Dog, Guinea Pig, Horse, Bovine, Yeast
Predicted	Human, Rabbit, Zebrafish, Chicken, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53478

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.

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}

References

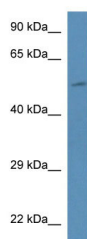
Hong W.,et al.Submitted (AUG-2001) to the EMBL/GenBank/DDBJ databases.

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).

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.