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## Datasheet for ABIN5596873 **anti-PI4KB antibody (Internal Region)**

### Overview

Quantity:	100 µg
Target:	PI4KB
Binding Specificity:	Internal Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA

### Product Details

Immunogen:	<p>Immunogen: Anti-PI4K beta affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an internal region of human PI4K beta protein.</p> <p>Immunogen Type: Peptide</p>
Isotype:	IgG
Cross-Reactivity (Details):	<p>A BLAST analysis was used to suggest cross-reactivity with bat, rat, primate, mouse, and human based on 100% sequence homology. Cross-reactivity with PI4K beta from other sources has not been determined.</p>
Purification:	<p>Anti-PI4K beta was affinity purified from monospecific antiserum by immunoaffinity chromatography.</p>

## Target Details

Target:	PI4KB
Alternative Name:	PI4K beta ( <a href="#">PI4KB Products</a> )
Background:	<p>Synonyms: Phosphatidylinositol 4-kinase beta, PtdIns 4-kinase beta, PI4Kbeta, PIK4CB</p> <p>Background: Phosphatidylinositol 4-kinase beta contributes to the overall PI4-kinase activity of the cell. It contributes to the production of PIP and may regulate Golgi membrane trafficking and reorganization. A member of PI3/PI4-kinase family, PI4KII alpha is widely expressed with the highest amount of expression in the heart, skeletal muscle, pancreas, testis and ovary. Anti-PI4K beta antibody is ideal for investigators interested in Kinase and Phosphatase Antibodies.</p> <p>Gene Name: PI4KB</p>
Pathways:	<a href="#">Inositol Metabolic Process</a>

## Application Details

Application Notes:	<p>Application Note: Anti-PI4K beta antibody is useful for ELISA and Western Blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~91.4 kDa corresponding to the appropriate cell lysate or extract.</p> <p>Western Blot Dilution: 1 µg/mL</p> <p>ELISA Dilution: 1:10,000</p>
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1.0 mg/mL
Buffer:	<p>Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2</p> <p>Stabilizer: 40 % (v/v) Glycerol</p>
Storage:	4 °C,-20 °C
Storage Comment:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiry Date:	12 months