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Datasheet for 600-401-J92

PI4K Beta Antibody

Overview

Description:	Anti-PI4K beta (RABBIT) Antibody - 600-401-J92
Item No.:	600-401-J92
Size:	100 µg
Applications:	ELISA, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

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.
Synonyms:	rabbit anti-PI4K beta antibody, Phosphatidylinositol 4-kinase beta, PtdIns 4-kinase beta, PI4Kß, PIK4CB, PI4KB, NPIK, PI4K92, PI4K-beta
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	PI4KB
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
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.

Purity/Specificity:	Anti-PI4K beta was affinity purified from monospecific antiserum by immunoaffinity chromatography. 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.
Relevant Links:	• UniProtKB - Q9UBF8

Application Details

Tested Applications:	ELISA, IHC, WB
Application Note:	Anti-PI4K beta antibody has been tested by ELISA, IHC, and Western Blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~91.4kDa corresponding to the appropriate cell lysate or extract.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
IHC:	5 µg/mL
WB:	1ug/ml

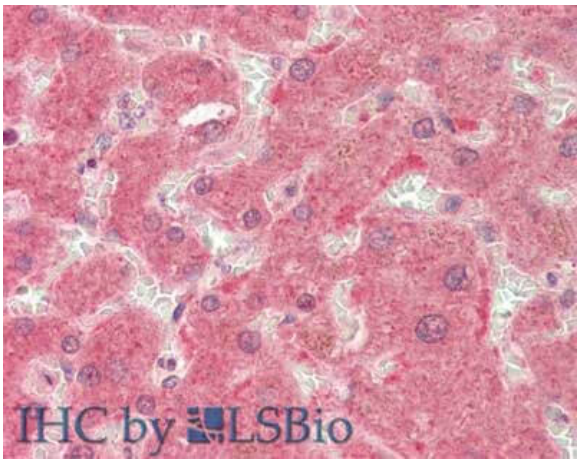
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer:	40% (v/v) Glycerol

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	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.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Immunohistochemistry
Immunohistochemistry of Rabbit anti-PIK4CB / PI4KB antibody. Tissue: Liver. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: PIK4CB / PI4KB antibody at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Staining: PIK4CB / PI4KB as precipitated red signal with hematoxylin purple nuclear counterstain.

Disclaimer

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