

Datasheet for ABIN6242814
anti-PI4KB antibody (N-Term)



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2 Images

1 Publication

Overview

Quantity:	400 µL
Target:	PI4KB
Binding Specificity:	AA 20-51, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PI4KB antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This PI4KCB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 20-51 amino acids from the N-terminal region of human PI4KCB.
Clone:	RB1676
Isotype:	Ig Fraction
Predicted Reactivity:	B, M, Rat
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	PI4KB
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Target Details

Alternative Name:	PI4KCB (PI4KB Products)
Background:	Phosphoinositides are pivotal precursors to important second messengers and as signaling and molecules. Phosphatidylinositol 4-kinases (PI4Ks) are crucial regulators of the phosphoinositide cascade. PI4KCB is a wortmannin-sensitive PI 4-kinase responsible for regulating the synthesis of agonist-sensitive pools of polyphosphoinositides. The cellular reservoir of PI4KCB is predominantly cytosolic, however the protein is activated strongly by recruitment to the membrane to stimulate phosphatidylinositol 4,5-bisphosphate synthesis at the plasma membrane. PI4KCB contains an N-terminal lipid kinase unique domain, which is shared by members of both the PI3 kinase and PI4 kinase families, and a C-terminal catalytic domain, which defines this protein as a member of a much larger protein/lipid kinase family.
Molecular Weight:	91379
NCBI Accession:	NP_001185702 , NP_001185703 , NP_001185704 , NP_002642
UniProt:	Q9UBF8
Pathways:	Inositol Metabolic Process

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

Handling

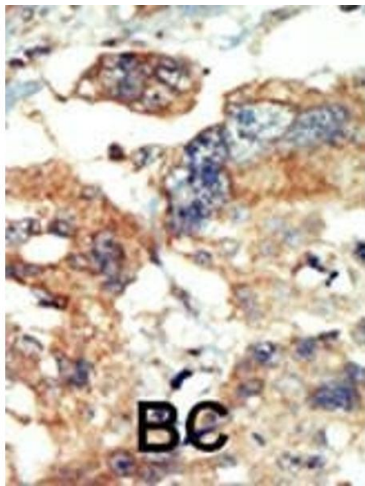
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months

Publications

Product cited in:	Spickler, Lippens, Laberge, Desmeules, Bellavance, Garneau, Guo, Hucke, Leyssen, Neyts, Vaillancourt, Décor, OMeara, Franti, Gauthier: "Phosphatidylinositol 4-kinase III beta is essential
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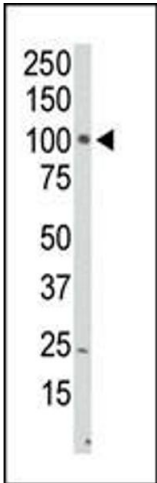
for replication of human rhinovirus and its inhibition causes a lethal phenotype in vivo." in:
Antimicrobial agents and chemotherapy, Vol. 57, Issue 7, pp. 3358-68, (2013) ([PubMed](#)).

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.



Western Blotting

Image 2. Western blot analysis of anti-PI4KCB Pab (ABIN6242814 and ABIN6579028) in cell lysate. PI4KCB (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.