

Datasheet for ABIN5706834
anti-PIK3CB antibody (N-Term)



[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	PIK3CB
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PIK3CB antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	PIK3CB Antibody
Immunogen:	Immunogen: This affinity purified PIK3C-β antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an N-terminal region of human Phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit beta isoform. Immunogen Type: Conjugated Peptide
Isotype:	IgG
Cross-Reactivity (Details):	This antibody is specific for human PIK3C beta protein.
Characteristics:	Synonyms: rabbit anti-PIK3CB antibody, rabbit anti-PI3K beta antibody, PKC3B. PKC3 beta, Phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit beta isoform, PI3-kinase subunit beta, PI3K-β, PI3Kbeta, PtdIns-3-kinase subunit beta, Phosphatidylinositol 4,5-bisphosphate 3-kinase 110 kDa catalytic subunit beta, PtdIns-3-kinase subunit p110-beta,

Product Details

	p110beta, PIK3C1
Purification:	Anti-PIK3C beta was affinity purified from monospecific antiserum by immunoaffinity chromatography.
Sterility:	Sterile filtered

Target Details

Target:	PIK3CB
Alternative Name:	PIK3CB (PIK3CB Products)
Background:	Background: PIK3CB is a catalytic subunit of phosphoinositide-3-kinase beta. PIK3CB catalyzes the production of phosphatidylinositol-3,4,5-triphosphate by phosphorylating phosphatidylinositol (PI), phosphatidylinositol-4-phosphate (PIP) and phosphatidylinositol-4,5-bisphosphate (PIP2). Growth factors and hormones trigger this phosphorylation event, which in turn coordinates cell growth, cell cycle entry, cell migration and cell survival. PTEN reverses this process. PI3K signaling pathway is constitutively activated in human cancers that have loss of function of PTEN. Furthermore, PI3KCB down regulation can suppress cell growth in malignant gliomas. Anti-PIK3C beta Antibody is suitable for researcher in Cancer, Immunology and Nuclear Signaling research.
Gene ID:	5291
NCBI Accession:	NP_006210
UniProt:	P42338

Application Details

Application Notes:	Application Note: Anti-PIK3C beta Antibody has been tested for use in ELISA and western blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 122.7 kDa in size corresponding to PI3K beta by western blotting in the appropriate cell lysate or extract. Western Blot Dilution: 1.0 µg/mL ELISA Dilution: 1:50,000
Restrictions:	For Research Use only

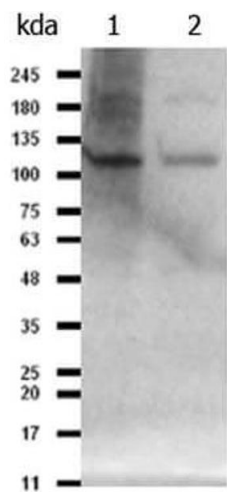
Handling

Format:	Liquid
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Handling

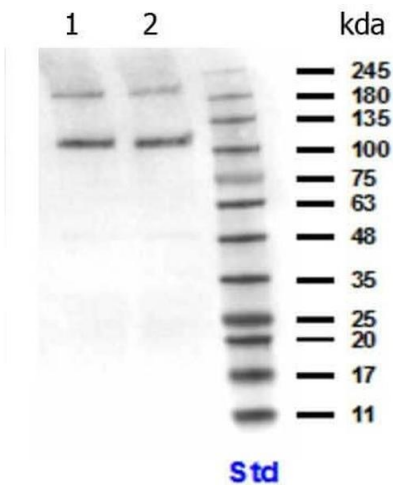
Concentration:	1.09 mg/mL
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: None Preservative: 0.01 % (w/v) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
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

Images



Western Blotting

Image 1. Western Blot of Rabbit anti-PIK3CB antibody. Marker: Opal Pre-stained ladder (p/n MB-210-0500). Lane 1: HCT-116 WCL (p/n W09-001-GM4). Lane 2: MDA-MB-435S WCL (p/n W09-001-A39). Load: 35 µg per lane. Primary antibody: PIK3CB antibody at 1:1,000 for overnight at 4C. Secondary antibody: Peroxidase rabbit secondary antibody (p/n 611-103-122) at 1:30,000 for 60 min at RT. Blocking Buffer: (p/n MB-070) for 30 min at RT. Predicted/Observed size: 122 kDa for PIK3CB.



Western Blotting

Image 2. Western Blot of Rabbit anti-PIK3CB antibody. Marker: Opal Pre-stained ladder (p/n MB-210-0500). Lane 1: HEK293 lysate (p/n W09-000-365). Lane 2: MDA-MB-435S WCL (p/n W09-001-A39). Load: 35 µg per lane. Primary antibody: PIK3CB antibody at 1:1,000 for 3hrs at RT. Secondary antibody: Peroxidase rabbit secondary antibody (p/n 611-103-122) at 1:30,000 for 60 min at RT. Blocking Buffer: 1 % Casein-TTBS (p/n MB-082) for 30 min at RT. Predicted/Observed size: 122 kDa for PIK3CB.