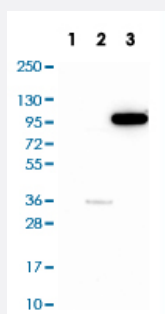


PIK3CB polyclonal antibody

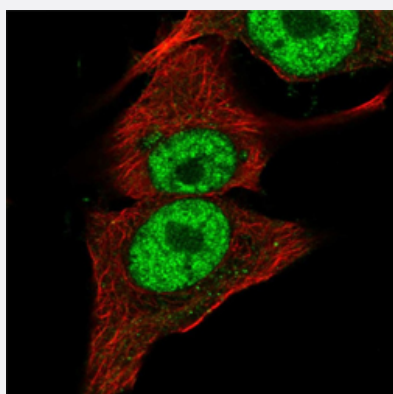
Catalog # PAB31105 Size 100 uL

Applications



Western Blot

Western Blot analysis of (1) Human RT-4 cell, (2) Human U-251MG cell, (3) Human plasma.



Immunofluorescence

Immunofluorescent staining of SK-MEL-30 cell line with antibody shows positivity in nucleoplasm (green).

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human PIK3CB.
Immunogen	Recombinant protein corresponding to human PIK3CB.
Sequence	LSLVGLSWMDWLKQTYPEPEHSIPENLEDKLYGGKLIVAVHFENCQDVFSFQVSPNMNPIKVNE LAIQKRLTIHGK
Host	Rabbit
Reactivity	Human

Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Western Blot (1:500-1000) Immunofluorescence (1-4 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western Blot analysis of (1) Human RT-4 cell, (2) Human U-251MG cell, (3) Human plasma.

- Immunofluorescence

Immunofluorescent staining of SK-MEL-30 cell line with antibody shows positivity in nucleoplasm (green).

Gene Info — PIK3CB

Entrez GeneID	5291
Protein Accession#	P42338
Gene Name	PIK3CB
Gene Alias	DKFZp779K1237, MGC133043, PI3K, PI3KCB, PI3Kbeta, PIK3C1, p110-BETA
Gene Description	phosphoinositide-3-kinase, catalytic, beta polypeptide
Omim ID	602925
Gene Ontology	Hyperlink

Gene Summary

Phosphoinositide 3-kinases (PI3Ks) phosphorylate the 3-prime OH position of the inositol ring of inositol lipids. They have been implicated as participants in signaling pathways regulating cell growth by virtue of their activation in response to various mitogenic stimuli. PI3Ks are composed of a 110-kD catalytic subunit, such as PIK3CB, and an 85-kD adaptor subunit (Hu et al., 1993 [PubMed 8246984]).[supplied by OMIM]

Other Designations

PI3-kinase p110 subunit beta|PtdIns-3-kinase p110|phosphatidylinositol 3-kinase, catalytic, beta polypeptide

Pathway

- [Acute myeloid leukemia](#)
- [Apoptosis](#)
- [B cell receptor signaling pathway](#)
- [Chemokine signaling pathway](#)
- [Chronic myeloid leukemia](#)
- [Colorectal cancer](#)
- [Endometrial cancer](#)
- [ErbB signaling pathway](#)
- [Fc epsilon RI signaling pathway](#)
- [Fc gamma R-mediated phagocytosis](#)
- [Focal adhesion](#)
- [Glioma](#)
- [Inositol phosphate metabolism](#)
- [Insulin signaling pathway](#)
- [Jak-STAT signaling pathway](#)
- [Leukocyte transendothelial migration](#)
- [Melanoma](#)
- [mTOR signaling pathway](#)
- [Natural killer cell mediated cytotoxicity](#)

- [Neurotrophin signaling pathway](#)
- [Non-small cell lung cancer](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)
- [Phosphatidylinositol signaling system](#)
- [Prostate cancer](#)
- [Regulation of actin cytoskeleton](#)
- [Renal cell carcinoma](#)
- [Small cell lung cancer](#)
- [T cell receptor signaling pathway](#)
- [Toll-like receptor signaling pathway](#)
- [Type II diabetes mellitus](#)
- [VEGF signaling pathway](#)

Disease

- [Adenocarcinoma](#)
- [Barrett Esophagus](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)

- [Glucose Intolerance](#)
- [Hepatitis C](#)
- [HIV Infections](#)
- [Hypercholesterolemia](#)
- [Insulin Resistance](#)
- [Obesity](#)
- [Psychiatric Status Rating Scales](#)
- [Schizophrenia](#)