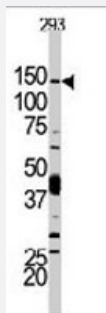


PIK3CD polyclonal antibody

Catalog # PAB3215

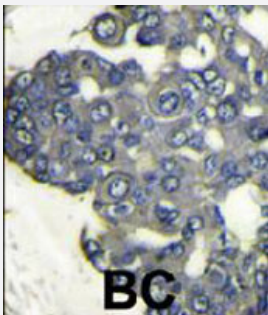
Size 400 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of PIK3CD polyclonal antibody (Cat # PAB3215) in 293 cell line lysates. PIK3CD Antibody (N-term) (arrow) was detected using the purified polyclonal antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human breast carcinoma reacted with PIK3CD polyclonal antibody (Cat # PAB3215), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PIK3CD.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human PIK3CD.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification

Recommend Usage	Immunofluorescence (1:10-50) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-100) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% 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 (Cell lysate)

Western blot analysis of PIK3CD polyclonal antibody (Cat # PAB3215) in 293 cell line lysates. PIK3CD Antibody (N-term) (arrow) was detected using the purified polyclonal antibody.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human breast carcinoma reacted with PIK3CD polyclonal antibody (Cat # PAB3215), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

- Immunofluorescence

Gene Info — PIK3CD

Entrez GeneID	5293
Protein Accession#	NP_005017;O00329
Gene Name	PIK3CD
Gene Alias	p110D
Gene Description	phosphoinositide-3-kinase, catalytic, delta polypeptide
Omim ID	602839
Gene Ontology	Hyperlink

Gene Summary

Phosphoinositide 3-kinases (PI3Ks) phosphorylate the 3-prime OH position of the inositol ring of inositol lipids. See MIM 602838. The class I PI3Ks display a broad phosphoinositide lipid substrate specificity and include p110-alpha (MIM 171834), p110-beta (MIM 602925), and p110-gamma (MIM 601232). p110-alpha and p110-beta interact with SH2/SH3-domain-containing p85 adaptor proteins (see MIM 171833) and with GTP-bound Ras.[supplied by OMIM]

Other Designations

OTTHUMP00000001595|phosphatidylinositol 3-kinase, catalytic, delta polypeptide|phosphoinositide-3-kinase C

Publication Reference

- [Human immunodeficiency virus type 1 tat-mediated cytotoxicity of human brain microvascular endothelial cells.](#)

Khan NA, Di Cello F, Nath A, Kim KS.

Journal of Neurovirology 2003 Dec; 9(6):584.

- [Essential role of phosphoinositide 3-kinase delta in neutrophil directional movement.](#)

Sadhu C, Masinovsky B, Dick K, Sowell CG, Staunton DE.

Journal of Immunology 2003 Mar; 170(5):2647.

- [HIV-1-Tat protein activates phosphatidylinositol 3-kinase/ AKT-dependent survival pathways in Kaposi's sarcoma cells.](#)

Deregibus MC, Cantaluppi V, Doublier S, Brizzi MF, Deambrosis I, Albini A, Camussi G.

The Journal of Biological Chemistry 2002 May; 277(28):25195.

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](#)

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Hypercholesterolemia](#)
- [Prostatic Neoplasms](#)