PIK3CB polyclonal antibody (A01)

Catalog # H00005291-A01 Size 50 uL

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant PIK3CB.
Immunogen	PIK3CB (NP_006210, 147 a.a. ~ 256 a.a) partial recombinant protein with GST tag.
Sequence	EFRRKMRKFSEEKILSLVGLSWMDWLKQTYPPEHEPSIPENLEDKLYGGKLIVAVHFENCQDVFS FQVSPNMNPIKVNELAIQKRLTIHGKEDEVSPYDYVLQVSGRVEY
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (88); Rat (87)
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- ELISA

Gene Info — PIK3CB

Entrez GeneID	5291
GeneBank Accession#	NM_006219
Protein Accession#	NP_006210
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 i nositol lipids. They have been implicated as participants in signaling pathways regulating cell gro wth 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 [PubMe d 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