

PIK3CA polyclonal antibody (A01)

Catalog # H00005290-A01

Size 50 uL

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant PIK3CA.
Immunogen	PIK3CA (NP_006209, 959 a.a. ~ 1068 a.a) partial recombinant protein with GST tag.
Sequence	DFLVISKGAQECTKTREFERFQEMCYKAYLAIRQHANLFINLFSMMLGSGMPELQSFDDIAYIRKTL ALDKTEQEALYFMKQMNDAAHHGGWTTKMDWIFHTIKQHALN
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (98); Rat (98)
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 — PIK3CA

Entrez GeneID	5290
GeneBank Accession#	NM_006218
Protein Accession#	NP_006209
Gene Name	PIK3CA

Gene Alias	MGC142161, MGC142163, PI3K, p110-alpha
Gene Description	phosphoinositide-3-kinase, catalytic, alpha polypeptide
Omim ID	114480 114500 171834 604370
Gene Ontology	Hyperlink
Gene Summary	Phosphatidylinositol 3-kinase is composed of an 85 kDa regulatory subunit and a 110 kDa catalytic subunit. The protein encoded by this gene represents the catalytic subunit, which uses ATP to phosphorylate PtdIns, PtdIns4P and PtdIns(4,5)P2. This gene has been found to be oncogenic and has been implicated in cervical cancers. [provided by RefSeq]
Other Designations	PI3-kinase p110 subunit alpha PtdIns-3-kinase p110 phosphatidylinositol 3-kinase, catalytic, 110-KD, alpha phosphatidylinositol 3-kinase, catalytic, alpha polypeptide phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit, alpha isoform

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](#)
- [Adenoma](#)
- [Adenomatous Polyposis Coli](#)
- [Alzheimer disease](#)
- [Astrocytoma](#)
- [Barrett Esophagus](#)
- [Brain Neoplasms](#)

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Carcinoma in Situ](#)
- [Cardiovascular Diseases](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colonic Polyps](#)
- [Colorectal Neoplasms](#)
- [Common Bile Duct Neoplasms](#)
- [Cystadenocarcinoma](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Endometrial Neoplasms](#)
- [Endometriosis](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis C](#)
- [HIV Infections](#)
- [Hypercholesterolemia](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Lymphatic Metastasis](#)

- [Metabolic Syndrome X](#)
- [Microsatellite Instability](#)
- [Nasopharyngeal Neoplasms](#)
- [Necrosis](#)
- [Neoplasm Invasiveness](#)
- [Neoplasm Metastasis](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Precursor T-Cell Lymphoblastic Leukemia-Lymphoma](#)
- [Prostatic Neoplasms](#)
- [Psychiatric Status Rating Scales](#)
- [Rectal Neoplasms](#)
- [Recurrence](#)
- [Retinal Neoplasms](#)
- [Retinoblastoma](#)
- [Schizophrenia](#)
- [Stomach Neoplasms](#)
- [Thyroid Neoplasms](#)
- [Uterine Cervical Neoplasms](#)