G-Biosciences Image not found or type unknown

Immunotag™ PI 3-Kinase p110δ Polyclonal Antibody

Antibody Specification

Catalog No.	ITT5537
Product Description	Immunotag™ PI 3-Kinase p110δ Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	PI 3-Kinase p11000δ
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC-p,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. IHC-p: 1:100-1:300. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse
Host Species	Rabbit
Immunogen	The antiserum was produced against synthesized peptide derived from the N-terminal region of human PIK3CD. AA range:41-90
Specificity	PI 3-Kinase p110δ Polyclonal Antibody detects endogenous levels of PI 3-Kinase p110δ protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	PIK3CD
Accession No.	O00329 O35904

Antibody Specification

Alternate Names	PIK3CD; Phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit delta isoform; PI3-kinase subunit delta; PI3K-delta; PI3Kdelta; PtdIns-3-kinase subunit delta; Phosphatidylinositol 4,5-bisphosphate 3-kinase 110 kDa catalytic subunit delta; PtdIns-3-kinase subunit p110-delta; p110delta
Description	phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit delta(PIK3CD) Homo sapiens Phosphoinositide 3-kinases (PI3Ks) phosphorylate inositol lipids and are involved in the immune response. The protein encoded by this gene is a class I PI3K found primarily in leukocytes. Like other class I PI3Ks (p110-alpha p110-beta, and p110-gamma), the encoded protein binds p85 adapter proteins and GTP-bound RAS. However, unlike the other class I PI3Ks, this protein phosphorylates itself, not p85 protein.[provided by RefSeq, Jul 2010],
Cell Pathway/ Category	Inositol phosphate metabolism,ErbB_HER,Chemokine,Phosphatidylinositol signaling system,mTOR,Apoptosis_Inhibition,Apoptosis_Mitochondrial,Apoptosis_Overview,VEGF,Focal adhesion,Toll_Like,Jak_STAT,Natural killer cell mediated cytotoxicity,T_Cell_Receptor,B_Cell_Antigen,Fc epsilon RI,Fc gamma R-mediated phagocytosis,Leukocyte transendothelial migration,Neurotrophin,Regulates Actin and Cytoskeleton,Insulin_Receptor,Progesterone-mediated oocyte maturation,Type II diabetes mellitus,Aldosterone-regulated sodium reabsorption,Pathways in cancer,Colorectal cancer,Renal cell carcinoma,Pancreatic cancer,Endometrial cancer,Glioma,Prostate cancer,Melanoma,Chronic myeloid leukemia,Acute myeloid leukemia,Small cell lung cancer,Non-small cell lung cancer,
Protein Expression	Brain,Clones donated by RIKEN,
Subcellular Localization	intracellular,cytosol,plasma membrane,phosphatidylinositol 3-kinase complex,mast cell granule,
Protein Function	catalytic activity:ATP + 1-phosphatidyl-1D-myo-inositol 4,5-bisphosphate = ADP + 1-phosphatidyl-1D-myo-inositol 3,4,5-trisphosphate.,pathway:Phospholipid metabolism; phosphatidylinositol phosphate biosynthesis.,PTM:Autophosphorylation on Ser-1039 results in the almost complete inactivation of the lipid kinase activity.,similarity:Belongs to the PI3/PI4-kinase family.,similarity:Contains 1 PI3K/PI4K domain.,subunit:Heterodimer of a p110 (catalytic) and a p85 (regulatory) subunit. Interacts with ERAS.,tissue specificity:Expressed predominantly in leukocytes.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.