

PI 3-Kinase p110γ Polyclonal Antibody

Catalog No: YT3710

Reactivity: Human; Mouse

Applications: WB;IHC;IF;ELISA

Target: PI 3-Kinase p110γ

Fields: >>Inositol phosphate metabolism;>>Metabolic pathways;>>cGMP-PKG

signaling pathway;>>Chemokine signaling pathway;>>Phospholipase D signaling

pathway;>>PI3K-Akt signaling pathway;>>Adrenergic signaling in

cardiomyocytes;>>Apelin signaling pathway;>>Platelet activation;>>Cholinergic

synapse;>>Oxytocin signaling pathway;>>Salmonella

infection;>>Toxoplasmosis;>>Kaposi sarcoma-associated herpesvirus infection

Gene Name: PIK3CG

Protein Name: Phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit gamma isoform

Human Gene Id: 5294

Human Swiss Prot

No:

Mouse Swiss Prot

No:

Immunogen: The antiserum was produced against synthesized peptide derived from human

PIK3CG. AA range:881-930

Specificity: PI 3-Kinase p110γ Polyclonal Antibody detects endogenous levels of PI

3-Kinase p110γ protein.

P48736

Q9JHG7

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution: WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.



Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 120kD

Cell Pathway: Inositol phosphate metabolism; ErbB_HER; Chemokine; Phosphatidylinositol

signaling system;mTOR;Apoptosis_Inhibition;Apoptosis_Mitochondrial;Apoptosis

_Overview;VEGF;Focal adhesion;Toll_Like;Jak_STAT;Natur

Background: Phosphoinositide 3-kinases (PI3Ks) phosphorylate inositol lipids and are

involved in the immune response. The protein encoded by this gene is a class I catalytic subunit of PI3K. Like other class I catalytic subunits (p110-alpha

p110-beta, and p110-delta), the encoded protein binds a p85 regulatory subunit to form PI3K. This gene is located in a commonly deleted segment of

chromosome 7 previously identified in myeloid leukemias. Several transcript variants encoding the same protein have been found for this gene. [provided by

RefSeq, Jun 2015],

Function: catalytic activity:ATP + 1-phosphatidyl-1D-myo-inositol 4,5-bisphosphate = ADP

+ 1-phosphatidyl-1D-myo-inositol 3,4,5-trisphosphate.,enzyme regulation:Activated by both the alpha and the beta-gamma G proteins.,function:3-phosphorylates the cellular phosphoinositide

PtdIns-4,5-biphosphate (PtdIns(4,5)P2) to produce PtdIns-3, 4,5-triiphosphate (PtdIns(3,4,5)P3). Links G-protein coupled receptor activation to the secondary messenger PtdIns(3,4,5)P3 production.,pathway:Phospholipid metabolism;

phosphatidylinositol phosphate biosynthesis., similarity: Belongs to the

PI3/PI4-kinase family., similarity: Contains 1 PI3K/PI4K

domain., subunit: Heterodimer of a catalytic subunit (PIK3CG/p120) and a regulatory (PIK3R5a/p101) subunit., tissue specificity: Pancreas, skeletal muscle,

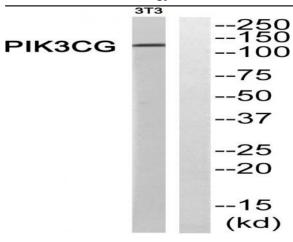
liver and heart.,

Subcellular Location :

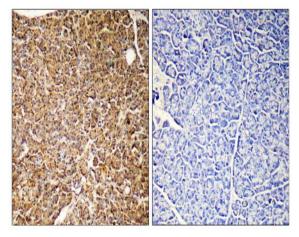
Cytoplasm . Cell membrane .

Expression : Pancreas, skeletal muscle, liver and heart.

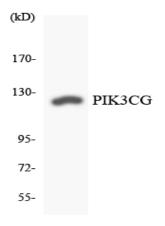
Products Images



Western blot analysis of PIK3CG Antibody. The lane on the right is blocked with the PIK3CG peptide.



Immunohistochemistryt analysis of paraffin-embedded human pancreas, using PIK3CG Antibody. The lane on the right is blocked with the PIK3CG peptide.



Western blot analysis of the lysates from Jurkat cells using PIK3CG antibody.