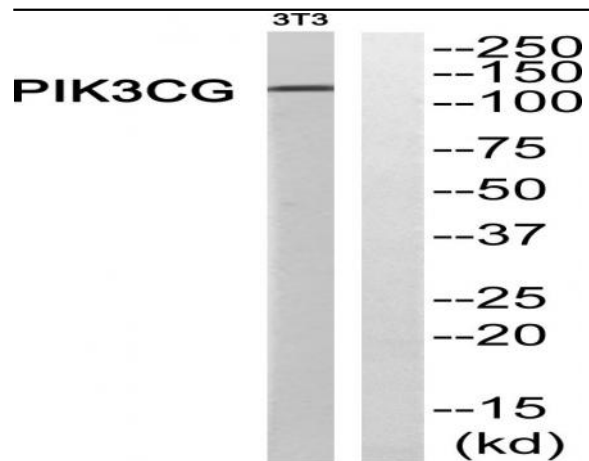


PI 3-Kinase p110 γ Polyclonal Antibody

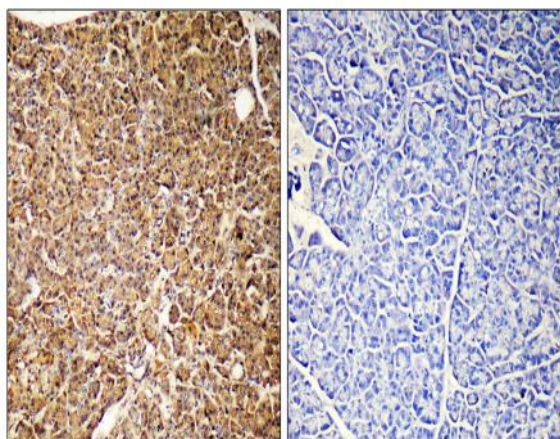
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| Catalog No : | YT3710 |
| Reactivity : | Human;Mouse |
| Applications : | WB;IHC;IF;ELISA |
| Target : | PI 3-Kinase p110 γ |
| Fields : | >>Inositol phosphate metabolism;>>Metabolic pathways;>>cGMP-PKG signaling pathway;>>Chemokine signaling pathway;>>Phospholipase 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 : | P48736 |
| Mouse Swiss Prot No : | Q9JHG7 |
| Immunogen : | The antiserum was produced against synthesized peptide derived from human PIK3CG. AA range:881-930 |
| Specificity : | PI 3-Kinase p110 γ Polyclonal Antibody detects endogenous levels of PI 3-Kinase p110 γ protein. |
| 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. |

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| 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. |

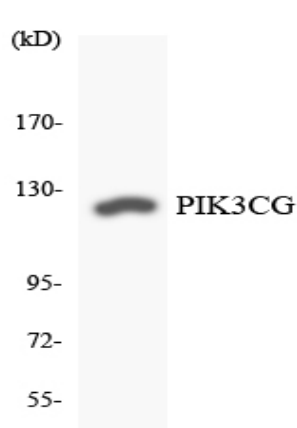
Products Images



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



Immunohistochemistry 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.