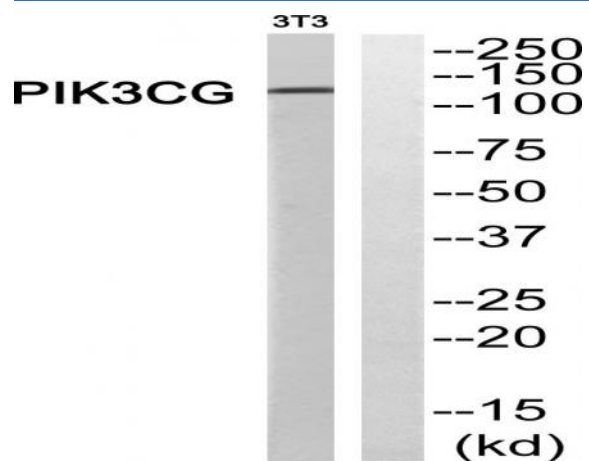


PI 3-Kinase p110 γ Polyclonal Antibody

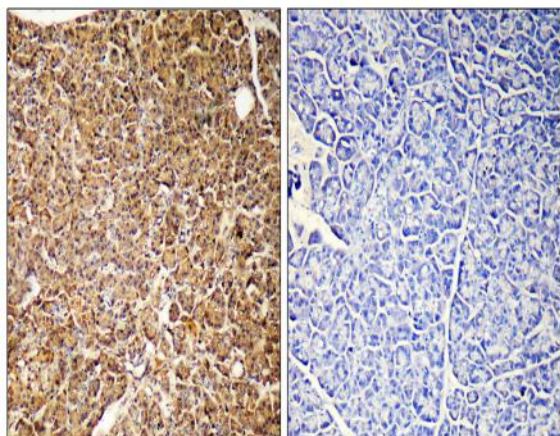
Catalog No :	YT3710
Reactivity :	Human;Mouse
Applications :	WB;IHC;IF;ELISA
Target :	PI 3-Kinase p110 γ
Fields :	>>Inositol phosphate metabolism;>>Metabolic pathways;>>cGMP-PKG signaling pathway;>>Chemokine signaling pathway;>>Phospholipase D signaling pathway;>>PI3K-Akt signaling pathway;>>Adrenergic 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.

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.
Sort :	12682
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

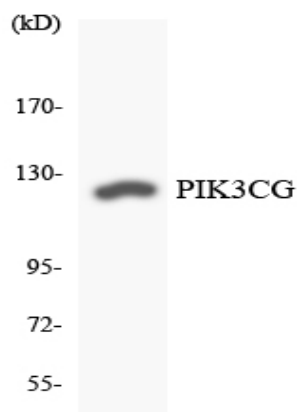
Products Images



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.