

**PI 3-kinase p101 Polyclonal Antibody**

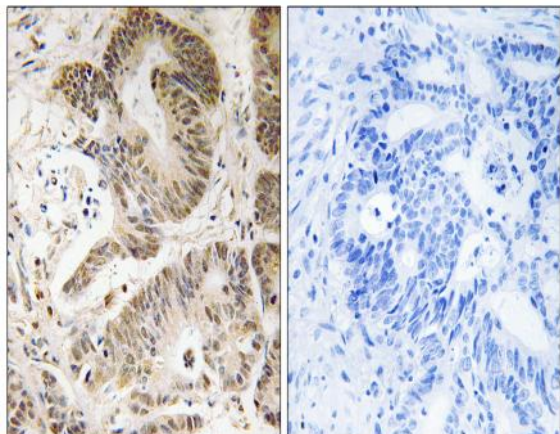
<b>Catalog No :</b>	YT3708
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	PI 3-kinase p101
<b>Fields :</b>	>>cGMP-PKG signaling pathway;>>Chemokine signaling pathway;>>Phospholipase D signaling pathway;>>PI3K-Akt signaling pathway;>>Adrenergic signaling in cardiomyocytes;>>Apelin signaling pathway;>>Platelet activation;>>Cholinergic synapse;>>Oxytocin signaling pathway;>>Toxoplasmosis;>>Kaposi sarcoma-associated herpesvirus infection
<b>Gene Name :</b>	PIK3R5
<b>Protein Name :</b>	Phosphoinositide 3-kinase regulatory subunit 5
<b>Human Gene Id :</b>	23533
<b>Human Swiss Prot No :</b>	Q8WYR1
<b>Mouse Gene Id :</b>	320207
<b>Mouse Swiss Prot No :</b>	Q5SW28
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human PIK3R5. AA range:695-744
<b>Specificity :</b>	PI 3-kinase p101 Polyclonal Antibody detects endogenous levels of PI 3-kinase p101 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200

<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	100kD
<b>Cell Pathway :</b>	ErbB_HER;Chemokine;Phosphatidylinositol signaling system;mTOR;Apoptosis_Inhibition;Apoptosis_Mitochondrial;Apoptosis_Overview;VEGF;Focal adhesion;Toll_Like;Jak_STAT;Natural killer cell mediated cytoto
<b>Background :</b>	Phosphatidylinositol 3-kinases (PI3Ks) phosphorylate the inositol ring of phosphatidylinositol at the 3-prime position, and play important roles in cell growth, proliferation, differentiation, motility, survival and intracellular trafficking. The PI3Ks are divided into three classes: I, II and III, and only the class I PI3Ks are involved in oncogenesis. This gene encodes the 101 kD regulatory subunit of the class I PI3K gamma complex, which is a dimeric enzyme, consisting of a 110 kD catalytic subunit gamma and a regulatory subunit of either 55, 87 or 101 kD. This protein recruits the catalytic subunit from the cytosol to the plasma membrane through high-affinity interaction with G-beta-gamma proteins. Multiple alternatively spliced transcript variants encoding two distinct isoforms have been found. [provided by RefSeq, Oct 2011],
<b>Function :</b>	domain:The heterodimerization region allows the binding to the catalytic subunit.,enzyme regulation:Greatly activated by G gamma proteins.,function:Regulatory subunit of the PI3K gamma complex.,subunit:Heterodimer of a catalytic subunit (PIK3CG/p120) and a regulatory (PIK3R5a/p101) subunit. Interacts with G beta gamma proteins.,tissue specificity:Highly expressed in leukocytes, followed by spleen, lymph node, thymus ans bone marrow.,
<b>Subcellular Location :</b>	Nucleus . Cytoplasm . Cell membrane ; Peripheral membrane protein . Predominantly localized in the nucleus in absence of PIK3CG/p120. Colocalizes with PIK3CG/p120 in the cytoplasm. Translocated to the plasma membrane in a beta-gamma G protein-dependent manner. .
<b>Expression :</b>	Ubiquitously expressed with high expression in fetal brain compared to adult brain. Abundant expression is observed in cerebellum, cerebral cortex, cerebral meninges, and vermis cerebelli.
<b>Sort :</b>	12681
<b>No4 :</b>	1

**Host :** Rabbit**Modifications :** Unmodified

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## Products Images



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue, using PIK3R5 Antibody. The picture on the right is blocked with the synthesized peptide.