

## P55G Polyclonal Antibody

<b>Catalog No :</b>	YN1843
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	P55G
<b>Fields :</b>	>>EGFR tyrosine kinase inhibitor resistance;>>Endocrine resistance;>>Platinum drug resistance;>>ErbB signaling pathway;>>Ras signaling pathway;>>Rap1 signaling pathway;>>cAMP signaling pathway;>>Chemokine signaling pathway;>>HIF-1 signaling pathway;>>FoxO signaling pathway;>>Phosphatidylinositol signaling system;>>Sphingolipid signaling pathway;>>Phospholipase D signaling pathway;>>Autophagy - animal;>>mTOR signaling pathway;>>PI3K-Akt signaling pathway;>>AMPK signaling pathway;>>Apoptosis;>>Longevity regulating pathway;>>Longevity regulating pathway - multiple species;>>Cellular senescence;>>Axon guidance;>>VEGF signaling pathway;>>Osteoclast differentiation;>>Focal adhesion;>>Signaling pathways regulating pluripotency of stem cells;>>Platelet activation;>>Neutrophil extracellular trap formation;>>Toll-like receptor signaling pathway;>>C-type lectin receptor signaling pathway;>>JAK-STAT signaling pathway;>>Natural killer cell mediated cytotoxicity;>>T cell receptor signaling pathway;>
<b>Gene Name :</b>	PIK3R3
<b>Protein Name :</b>	Phosphatidylinositol 3-kinase regulatory subunit gamma (PI3-kinase regulatory subunit gamma) (PI3K regulatory subunit gamma) (PtdIns-3-kinase regulatory subunit gamma) (Phosphatidylinositol 3-kinase 5
<b>Human Gene Id :</b>	8503
<b>Human Swiss Prot No :</b>	Q92569
<b>Mouse Swiss Prot No :</b>	Q64143
<b>Rat Swiss Prot No :</b>	Q63789
<b>Immunogen :</b>	Synthesized peptide derived from part region of human protein

<b>Specificity :</b>	P55G Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000 ELISA 1:5000-20000
<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>	50kD
<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 cyto
<b>Background :</b>	Phosphatidylinositol 3-kinase (PI3K) phosphorylates phosphatidylinositol and similar compounds, which then serve as second messengers in growth signaling pathways. PI3K is composed of a catalytic and a regulatory subunit. The protein encoded by this gene represents a regulatory subunit of PI3K. The encoded protein contains two SH2 domains through which it binds activated protein tyrosine kinases to regulate their activity. [provided by RefSeq, Jun 2016],
<b>Function :</b>	function:Binds to activated (phosphorylated) protein-tyrosine kinases through its SH2 domain and regulates their kinase activity. During insulin stimulation, it also binds to IRS-1.,similarity:Belongs to the PI3K p85 subunit family.,similarity:Contains 2 SH2 domains.,subunit:Heterodimer of a p110 (catalytic) and a p55 (regulatory) subunits.,tissue specificity:Highest levels in brain and testis. Lower levels in adipose tissue, kidney, heart, lung and skeletal muscle.,
<b>Subcellular Location :</b>	cytosol,phosphatidylinositol 3-kinase complex,
<b>Expression :</b>	Highest levels in brain and testis. Lower levels in adipose tissue, kidney, heart, lung and skeletal muscle.

## Products Images