



# P55G Monoclonal Antibody

<b>Catalog No</b>	YP-mAb-06709
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB
<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>Immunogen</b>	Synthesized peptide derived from part region of human protein
<b>Specificity</b>	P55G Monoclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-1:2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	50kD
<b>Cell Pathway</b>	cytosol,phosphatidylinositol 3-kinase complex,
<b>Tissue Specificity</b>	Highest levels in brain and testis. Lower levels in adipose tissue, kidney, heart, lung and skeletal muscle.
<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>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],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**