



P55G Polyclonal Antibody

Catalog No	YP-Ab-06709
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	PIK3R3
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	P55G Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	PIK3R3;p55;p55 GAMMA;p55PIK;Phosphatidylinositol 3-kinase 55 kDa regulatory subunit gamma;P55G;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
Observed Band	55 kDa
Calculated Molecular Weight	85 kDa
Cell Pathway	cytosol,phosphatidylinositol 3-kinase complex,
Tissue Specificity	Highest levels in brain and testis. Lower levels in adipose tissue, kidney, heart, lung and skeletal muscle.
Function	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.,

Background

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