



PI3-Kinase p110 γ Rabbit mAb

Catalog No	YP-rAb-17358
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IF,IP,ELISA
Gene Name	PIK3CG
Protein Name	Phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit gamma isoform
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	WB 1:2000-1:10000; IF 1:200-1:1000; ELISA 1:5000-1:20000; IP 1:50-1:200;
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15° C to -25° C/1 year(Do not lower than -25° C)
Synonyms	PIK3CG ; Phosphatidylinositol 4 ; 5-bisphosphate 3-kinase catalytic subunit gamma isoform ; PI3-kinase subunit gamma ; PI3K-gamma ; PI3Kgamma ; PtdIns-3-kinase subunit gamma ; Phosphatidylinositol 4,5-bisphosphate 3-kinase 110 kDa catalytic subunit
Observed Band	127kD
Calculated Molecular Weight	127kD
Cell Pathway	Cytoplasm . Cell membrane .
Tissue Specificity	Pancreas, skeletal muscle, liver and heart.
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 P2) to produce PtdIns-3, 4,5-triiphosphate 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

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domain.,subunit:Heterodimer of a catalytic subunit (PIK3CG/p120) and a regulatory (PIK3R5a/p101) subunit.,tissue specificity:Pancreas, skeletal muscle, liver and heart.,

Background

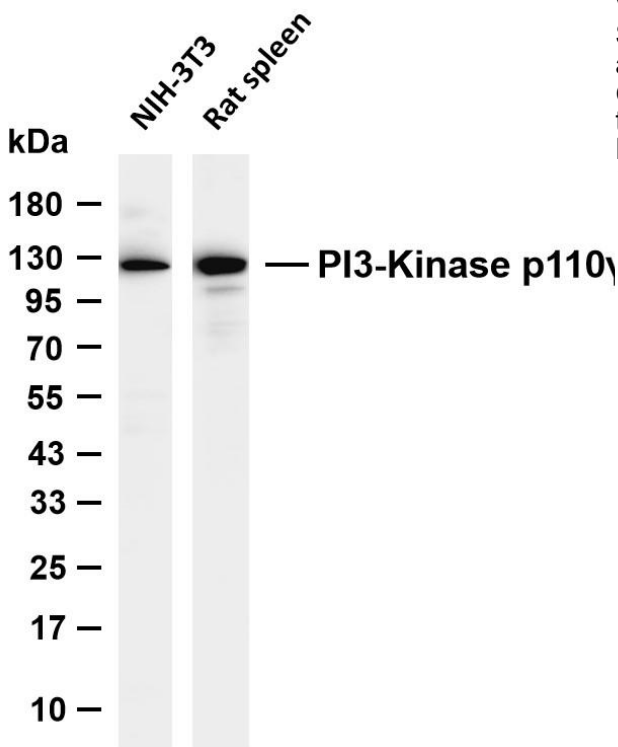
Phosphoinositide 3-kinases (PI3Ks) phosphorylate inositol lipids and are involved in the immune response. The protein encoded by this gene is a class I catalytic subunit of PI3K. Like other class I catalytic subunits (p110-alpha p110-beta, and p110-delta), the encoded protein binds a p85 regulatory subunit 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],

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.



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-PI3-Kinase p110 γ antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: NIH-3T3 Lane 2: Rat spleen
Predicted band size: 127kDa Observed band size: 127kDa

