

PI3-Kinase p110 γ Rabbit pAb

CatalogNo: YT3710

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB, IHC, IF, ELISA

MW

- 120kD (Observed)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-1:2000**IHC 1:100-1:300****ELISA 1:40000****IF 1:50-200**

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen The antiserum was produced against synthesized peptide derived from human PIK3CG. AA range: 881-930**Specificity** PI3-Kinase p110 γ Polyclonal Antibody detects endogenous levels of PI 3-Kinase p110 γ protein.

Target Information

Gene name PIK3CG

Protein Name Phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit gamma isoform

Organism	Gene ID	UniProt ID
Human	5294 ;	P48736 ;
Mouse		Q9JHG7 ;

Cellular Localization 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 (PtdIns(4,5)P2) to produce PtdIns-3, 4,5-triiphosphate (PtdIns(3,4,5)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 domain.,subunit:Heterodimer of a catalytic subunit (PIK3CG/p120) and a regulatory (PIK3R5a/p101) subunit.,tissue specificity:Pancreas, skeletal muscle, liver and heart.,

Validation Data

Contact information

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Please scan the QR code to access additional product information:
PI3-Kinase p110γ
Rabbit pAb

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