
Product Name: PI 3-Kinase p110δ Rabbit Polyclonal Antibody**Catalog #: APRab16100**

For research use only.

Summary

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|----------------------|---|
| Description | Rabbit polyclonal Antibody |
| Host | Rabbit |
| Application | WB,IHC,ICC/IF,ELISA |
| Reactivity | Human,Mouse |
| Conjugation | Unconjugated |
| Modification | Unmodified |
| Isotype | IgG |
| Clonality | Polyclonal |
| Form | Liquid |
| Concentration | 1mg/ml |
| Storage | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| Shipping | Ice bags |
| Buffer | Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N. |
| Purification | Affinity purification |

Application

| | |
|-------------------------|---|
| Dilution Ratio | WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000 |
| Molecular Weight | 120kDa |

Antigen Information

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|--------------------------|---|
| Gene Name | PIK3CD |
| Alternative Names | PIK3CD; Phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit delta isoform; PI3-kinase subunit delta; PI3K-delta; PI3Kdelta; PtdIns-3-kinase subunit delta; Phosphatidylinositol 4,5-bisphosphate 3-kinase 110 kDa catalytic subunit delta; PtdIns-3-kinase subunit p110-delta; p110delta |
| Gene ID | 5293.0 |
| SwissProt ID | O00329 |
| Immunogen | The antiserum was produced against synthesized peptide derived from the N-terminal region of human PIK3CD. AA range:41-90 |

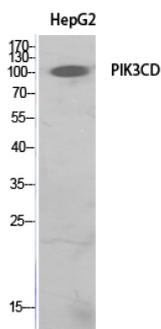
Background

Phosphoinositide 3-kinases (PI3Ks) phosphorylate inositol lipids and are involved in the immune response. The protein encoded by this gene is a class I PI3K found primarily in leukocytes. Like other class I PI3Ks (p110-alpha p110-beta, and p110-gamma), the encoded protein binds p85 adapter proteins and GTP-bound RAS. However, unlike the other class I PI3Ks, this protein phosphorylates itself, not p85 protein.[provided by RefSeq, Jul 2010],catalytic activity:ATP + 1-phosphatidyl-1D-myo-inositol 4,5-bisphosphate = ADP + 1-phosphatidyl-1D-myo-inositol 3,4,5-trisphosphate.,pathway:Phospholipid metabolism; phosphatidylinositol phosphate biosynthesis.,PTM:Autophosphorylation on Ser-1039 results in the almost complete inactivation of the lipid kinase activity.,similarity:Belongs to the PI3/PI4-kinase family.,similarity:Contains 1 PI3K/PI4K domain.,subunit:Heterodimer of a p110 (catalytic) and a p85 (regulatory) subunit. Interacts with ERAS.,tissue specificity:Expressed predominantly in leukocytes.,

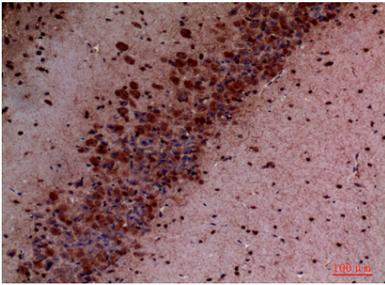
Research Area

Inositol phosphate metabolism;ErbB_HER;Chemokine;Phosphatidylinositol signaling system;mTOR;Apoptosis_Inhibition;Apoptosis_Mitochondrial;Apoptosis_Overview;VEGF;Focal adhesion;Toll_Like;Jak_STAT;Natural killer cell mediated cytotoxicity;T_Cell_Receptor;B_Cell_Antigen;Fc epsilon RI;Fc gamma R-mediated phagocytosis;Leukocyte transendothelial migration;Neurotrophin;Regulates Actin and Cytoskeleton;Insulin_Receptor;Progesterone-mediated oocyte maturation;Type II diabetes mellitus;Aldosterone-regulated sodium reabsorption;Pathways in cancer;Colorectal cancer;Renal cell carcinoma;Pancreatic cancer;Endometrial cancer;Glioma;Prostate cancer;Melanoma;Chronic myeloid leukemia;Acute myeloid leukemia;Small cell lung cancer;Non-small cell lung cancer;

Image Data



Western Blot analysis of HepG2 cells using PI 3-Kinase p110 δ Polyclonal Antibody.. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded mouse-brain, antibody was diluted at 1:100