

Website: www.upingBio.com

PI 3-kinase p85a Polyclonal Antibody

Isotype IgG Reactivity Human;Mouse;Rat Applications WB;IHC;IF;ELISA Gene Name PIK3R1 Protein Name Phosphatidylinositol 3-kinase regulatory subunit alpha Immunogen The antiserum was produced against synthesized peptide derived from human PI3-kinase p85-alpha. AA range:573-622 Specificity PI 3-kinase p85a Polycional Antibody detects endogenous levels of PI 3-kinase p85a protein. Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Source Polycional, Rabbit,IgG Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. Dilution Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications. Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms PIK3R1; GRB1; Phosphatidylinositol 3-kinase regulatory subunit alpha; P1G/Ins-s-kinase regulatory subunit alpha; P1G/Ins-skinase 85 kDa regulatory subunit alph Cell Pathway nucleus,cytoplasm,cis-Golgi network,cytosol,plasma membrane,cell-cell uriction, phosphatidylinositol 3-kinase complex, phosphatidylinositol 3-kinase complex, class IA,membrane,perinuclear endoplasmic ret		
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p85α protein. Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA 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 Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications. Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms PIK3R1; GRB1; Phosphatidylinositol 3-kinase regulatory subunit alpha; PI3-kinase regulatory subunit alpha; PtG-shrinase regulatory subunit alpha; P	Immunogen	
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Purity ≥90% Storage Stability -20°C/1 year Synonyms PIK3R1; GRB1; Phosphatidylinositol 3-kinase regulatory subunit alpha; PI3-kinase regulatory subunit alpha; PI3K regulatory subunit alpha; PtdIns-3-kinase regulatory subunit alpha; Phosphatidylinositol 3-kinase 85 kDa regulatory subunit alph Observed Band 85kD Cell Pathway nucleus, cytoplasm,cis-Golgi network,cytosol,plasma membrane,cell-cell junction,phosphatidylinositol 3-kinase complex, phosphatidylinositol 3-kinase complex, class IA,membrane,perinuclear endoplasmic reticulum membrane, Tissue Specificity Isoform 2 is expressed in skeletal muscle and brain, and at lower levels in kidner and cardiac muscle. Isoform 2 and isoform 4 are present in skeletal muscle (at protein level). Function disease:Defects in PIK3R1 are a cause of severe insulin resistance.,domain:The SH3 domain mediates the binding to CBLB, and to HIV-1 Nef, function:Binds to activated (phosphorylated) protein-Tyr kinases, through its SH2 domain, and act as an adapter, mediating the association of the p110 catalytic unit to the plasma membrane. Necessary for the insulin-stimulated increase in glucose uptake and glycogen synthesis in insulin-sensitive tissues.,PTM:Polyubiquitinated in T-cells by V GBLB; which does not promote proteasomal degradation but impairs	Dilution	Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
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PI3-kinase regulatory subunit alpha; PI3K regulatory subunit alpha; PtdIns-3-kinase regulatory subunit alpha; Phosphatidylinositol 3-kinase 85 kDa regulatory subunit alph Observed Band 85kD Cell Pathway nucleus,cytoplasm,cis-Golgi network,cytosol,plasma membrane,cell-cell junction,phosphatidylinositol 3-kinase complex,phosphatidylinositol 3-kinase complex, class IA,membrane,perinuclear endoplasmic reticulum membrane, Isoform 2 is expressed in skeletal muscle and brain, and at lower levels in kidner and cardiac muscle. Isoform 2 and isoform 4 are present in skeletal muscle (at protein level). Function disease:Defects in PIK3R1 are a cause of severe insulin resistancedomain:The SH3 domain mediates the binding to CBLB, and to HIV-1 Nef.,function:Binds to activated (phosphorylated) protein-Tyr kinases, through its SH2 domain, and act as an adapter, mediating the association of the p110 catalytic unit to the plasma membrane. Necessary for the insulin-stimulated increase in glucose uptake and glycogen synthesis in insulin-sensitive tissuesPTM:Polyubiquitinated in T-cells by CBLB; which does not promote proteasomal degradation but impairs	Storage Stability	-20°C/1 year
Cell Pathwaynucleus,cytoplasm,cis-Golgi network,cytosol,plasma membrane,cell-cell junction,phosphatidylinositol 3-kinase complex, phosphatidylinositol 3-kinase complex, class IA,membrane,perinuclear endoplasmic reticulum membrane,Tissue SpecificityIsoform 2 is expressed in skeletal muscle and brain, and at lower levels in kidner and cardiac muscle. Isoform 2 and isoform 4 are present in skeletal muscle (at protein level).Functiondisease:Defects in PIK3R1 are a cause of severe insulin resistance.,domain:The SH3 domain mediates the binding to CBLB, and to HIV-1 Nef.,function:Binds to activated (phosphorylated) protein-Tyr kinases, through its SH2 domain, and act as an adapter, mediating the association of the p110 catalytic unit to the plasma membrane. Necessary for the insulin-sensitive tissues.,PTM:Polyubiquitinated in T-cells by CBLB; which does not promote proteasomal degradation but impairs	Synonyms	PI3-kinase regulatory subunit alpha; PI3K regulatory subunit alpha; PtdIns-3-kinase regulatory subunit alpha; Phosphatidylinositol 3-kinase 85 kDa
junction,phosphatidylinositol 3-kinase complex,phosphatidylinositol 3-kinase complex, class IA,membrane,perinuclear endoplasmic reticulum membrane,Tissue SpecificityIsoform 2 is expressed in skeletal muscle and brain, and at lower levels in kidner and cardiac muscle. Isoform 2 and isoform 4 are present in skeletal muscle (at protein level).Functiondisease:Defects in PIK3R1 are a cause of severe insulin resistance.,domain:The SH3 domain mediates the binding to CBLB, and to HIV-1 Nef.,function:Binds to activated (phosphorylated) protein-Tyr kinases, through its SH2 domain, and act as an adapter, mediating the association of the p110 catalytic unit to the plasma membrane. Necessary for the insulin-stimulated increase in glucose uptake and glycogen synthesis in insulin-sensitive tissues.,PTM:Polyubiquitinated in T-cells by CBLB; which does not promote proteasomal degradation but impairs	Observed Band	85kD
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UpingBio technology Co.,Ltd

🔇 Tel: 400-999-8863 📼 Emall:Upingbio.163.com Website: www.upingBio.com PI3K p85 subunit family.,similarity:Contains 1 Rho-GAP domain.,similarity:Contains 1 SH3 domain.,similarity:Contains 2 SH2 domains.,subunit:Heterodimer of a p110 (catalytic) and a p85 (regulatory) subunits. Interacts with phosphorylated TOM1L1. Interacts with phosphorylat Phosphatidylinositol 3-kinase phosphorylates the inositol ring of Background phosphatidylinositol 3-kinase phosphorylates the mostol ring of phosphatidylinositol at the 3-prime position. The enzyme comprises a 110 kD catalytic subunit and a regulatory subunit of either 85, 55, or 50 kD. This gene encodes the 85 kD regulatory subunit. Phosphatidylinositol 3-kinase plays an important role in the metabolic actions of insulin, and a mutation in this gene has been associated with insulin resistance. Alternative splicing of this gene results in four transcript variants encoding different isoforms. [provided by RefSeq, Jun 2011] 2011], Avoid repeated freezing and thawing! matters needing attention Usage suggestions This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

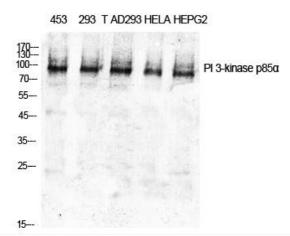


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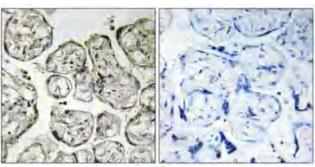
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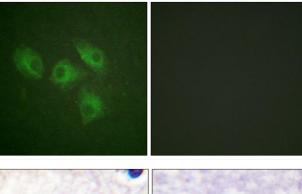
Products Images



Western Blot analysis of various cells using PI 3-kinase p85α Polyclonal Antibody diluted at 1:1000



Immunohistochemical analysis of paraffin-embedded Human placenta. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.



Immunofluorescence analysis of HeLa cells, using PI3-kinase p85-alpha Antibody. The picture on the right is blocked with the synthesized peptide.

Immunohistochemistry analysis of paraffin-embedded human brain tissue, using PI3-kinase p85-alpha Antibody. The picture on the right is blocked with the synthesized peptide.

