



PI 3-Kinase p85 β Polyclonal Antibody

Catalog No	YP-Ab-15055
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	PIK3R2
Immunogen	Synthetic peptide from human protein at AA range: 1-60
Specificity	The antibody detects endogenous PI 3-Kinase p85 β
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	IHC-p 1:50-200, ELISA 1:10000-20000. IF 1:50-200
Concentration	1 mg/ml
Purity	$\geq 90\%$
Storage Stability	-20°C/1 year
Synonyms	PI3K p85 β ;PI3K p85(beta);PI3K p85 β ;PIK3R2;p85;PI3 Kinase p85 β ; Phosphatidylinositol 3-kinase regulatory subunit beta (PI3-kinase regulatory subunit beta) (PI3K regulatory subunit beta) (PtdIns-3-kinase regulatory subunit beta) (Phosphatidylinositol 3-kinase 85 kD;Phosphatidylinositol 3-kinase regulatory subunit beta (PI3-kinase regulatory subunit beta;PI3K regulatory subunit beta;PtdIns-3-kinase regulatory subunit beta;Phosphatidylinositol 3-kinase 85 kDa regulatory subunit beta;PI3-kinase subunit p85-beta;PtdIns-3-kinase regulatory subunit p85-beta)
Observed Band	
Calculated Molecular Weight	
Cell Pathway	nucleus,cytosol,phosphatidylinositol 3-kinase complex,
Tissue Specificity	Brain,Epithelium,Kidney,Placenta,
Function	function: Binds to activated (phosphorylated) protein-tyrosine kinases, through its SH2 domain, and acts as an adapter, mediating the association of the p110 catalytic unit to the plasma membrane.,similarity: Belongs to the 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.,

**Background**

Phosphatidylinositol 3-kinase (PI3K) is a lipid kinase that phosphorylates phosphatidylinositol and similar compounds, creating second messengers important in growth signaling pathways. PI3K functions as a heterodimer of a regulatory and a catalytic subunit. The protein encoded by this gene is a regulatory component of PI3K. Two transcript variants, one protein coding and the other non-protein coding, have been found for this gene. [provided by RefSeq, Dec 2012],

matters needing attention

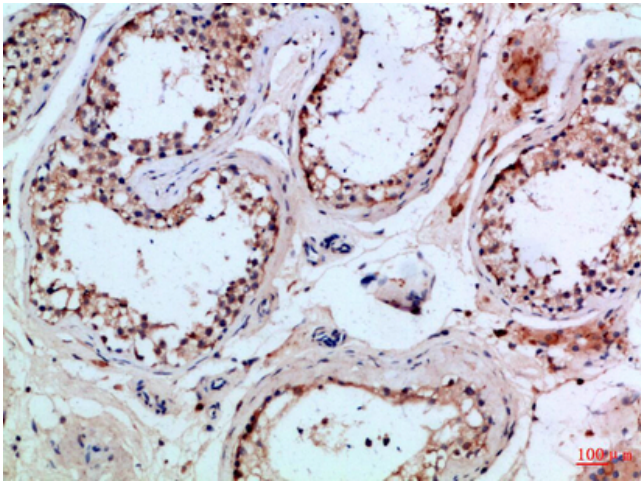
Avoid repeated freezing and thawing!

Usage suggestions

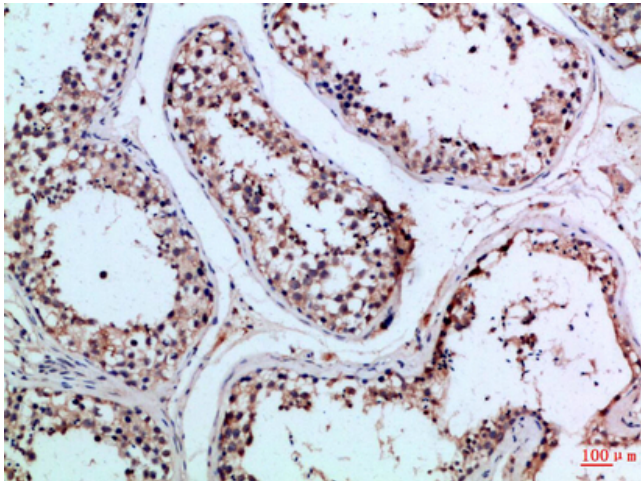
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



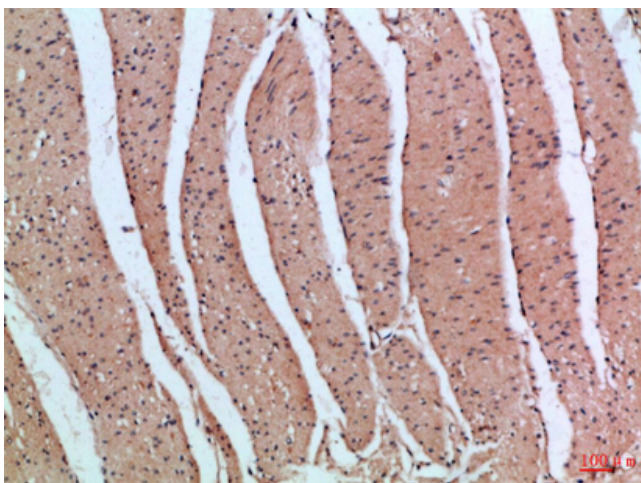
Products Images



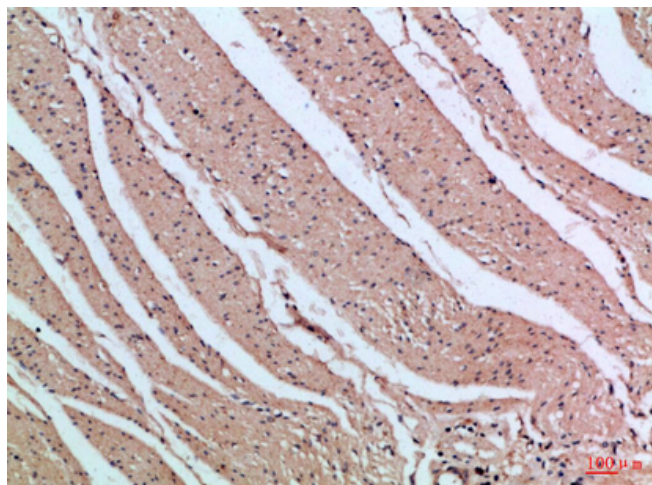
Immunohistochemical analysis of paraffin-embedded Human-testis, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded Human-testis, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded Human-colon, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded Human-colon, antibody was diluted at 1:100