

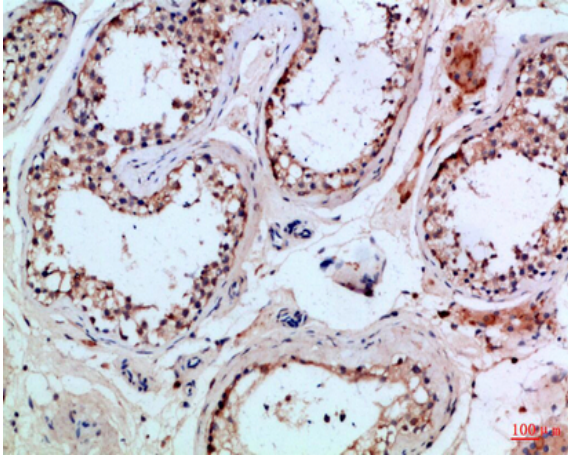
**PI 3 Kinase p85 $\beta$  Polyclonal Antibody**

<b>Catalog No :</b>	YT6024
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	PI3 Kinase p85 $\beta$
<b>Fields :</b>	>>EGFR tyrosine kinase inhibitor resistance;>>Endocrine resistance;>>Platinum drug resistance;>>ErbB signaling pathway;>>Ras signaling pathway;>>Rap1 signaling pathway;>>cAMP signaling pathway;>>Chemokine signaling pathway;>>HIF-1 signaling pathway;>>FoxO signaling pathway;>>Phosphatidylinositol signaling system;>>Sphingolipid signaling pathway;>>Phospholipase D signaling pathway;>>Autophagy - animal;>>mTOR signaling pathway;>>PI3K-Akt signaling pathway;>>AMPK signaling pathway;>>Apoptosis;>>Longevity regulating pathway;>>Longevity regulating pathway - multiple species;>>Cellular senescence;>>Axon guidance;>>VEGF signaling pathway;>>Osteoclast differentiation;>>Focal adhesion;>>Signaling pathways regulating pluripotency of stem cells;>>Platelet activation;>>Neutrophil extracellular trap formation;>>Toll-like receptor signaling pathway;>>C-type lectin receptor signaling pathway;>>JAK-STAT signaling pathway;>>Natural killer cell mediated cytotoxicity;>>T cell receptor signaling pathway;>
<b>Gene Name :</b>	PIK3R2
<b>Protein Name :</b>	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)
<b>Human Gene Id :</b>	5296
<b>Human Swiss Prot No :</b>	O00459
<b>Mouse Gene Id :</b>	18709
<b>Mouse Swiss Prot No :</b>	O08908
<b>Immunogen :</b>	Synthetic peptide from human protein at AA range: 1-60

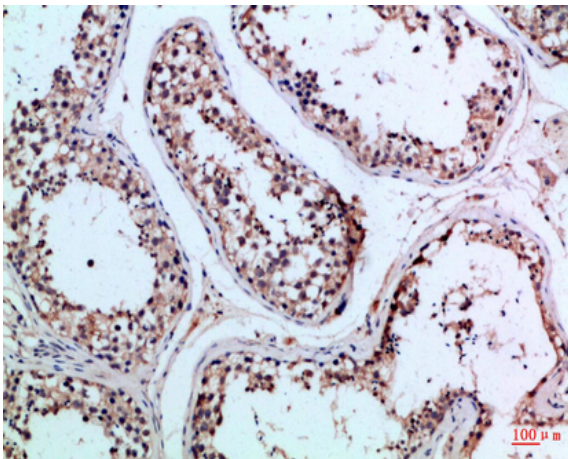
---

<b>Specificity :</b>	<u>The antibody detects endogenous PI 3-Kinase p85<math>\beta</math></u>
<b>Formulation :</b>	<u>Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.</u>
<b>Source :</b>	<u>Polyclonal, Rabbit,IgG</u>
<b>Dilution :</b>	<u>WB 1:500-2000 IHC 1:50-200, ELISA 1:10000-20000. IF 1:50-200</u>
<b>Purification :</b>	<u>The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.</u>
<b>Concentration :</b>	<u>1 mg/ml</u>
<b>Storage Stability :</b>	<u>-15°C to -25°C/1 year(Do not lower than -25°C)</u>
<b>Molecularweight :</b>	<u>82kD</u>
<b>Cell Pathway :</b>	<u>ErbB_HER;Chemokine;Phosphatidylinositol signaling system;mTOR;Apoptosis_Inhibition;Apoptosis_Mitochondrial;Apoptosis_Overview;VEGF;Focal adhesion;Toll_Like;Jak_STAT;Natural killer cell mediated cyto</u>
<b>Background :</b>	<u>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],</u>
<b>Function :</b>	<u>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.,</u>
<b>Subcellular Location :</b>	<u>nucleus,cytosol,phosphatidylinositol 3-kinase complex,</u>
<b>Expression :</b>	<u>Brain,Epithelium,Kidney,Placenta,</u>

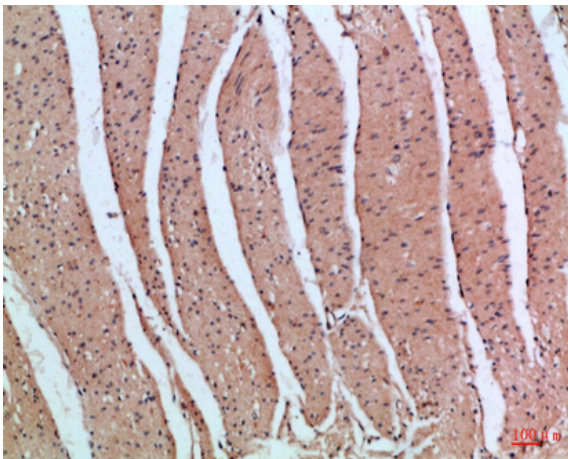
## Products Images



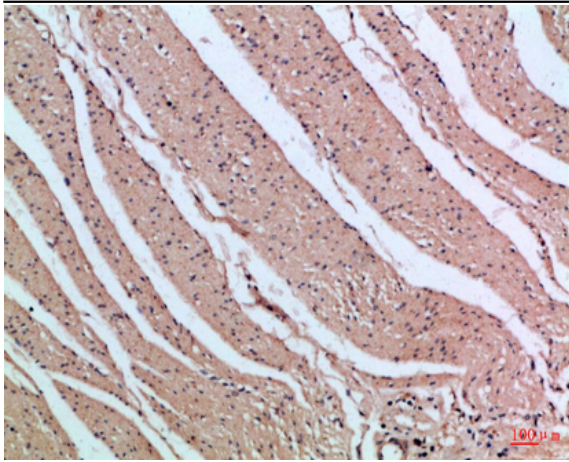
Immunohistochemical analysis of paraffin-embedded Human testis, antibody was diluted at 1:100



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