

**PI 3 kinase p85 $\beta$  (phospho Tyr464) Polyclonal Antibody**

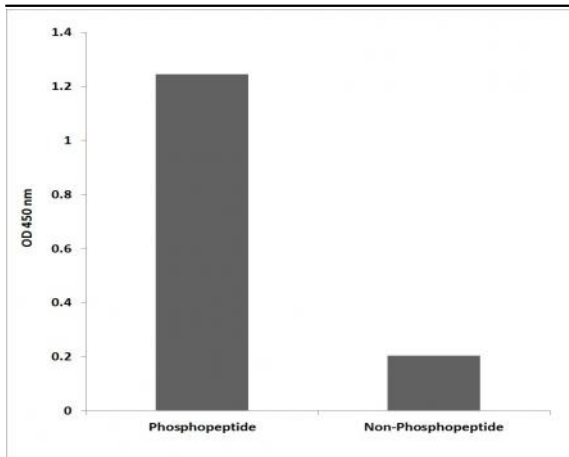
<b>Catalog No :</b>	YP0225
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	PI3 Kinase p85 $\beta$
<b>Fields :</b>	>>EGFR tyrosine kinase inhibitor resistance;>>Endocrine resistance;>>Platinum drug resistance;>>ErbB signaling pathway;>>Ras signaling pathway;>>Rap1 signaling 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
<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>Rat Swiss Prot No :</b>	Q63788
<b>Immunogen :</b>	Synthesized phospho-peptide around the phosphorylation site of human PI 3-kinase p85 $\beta$ (phospho Tyr464)

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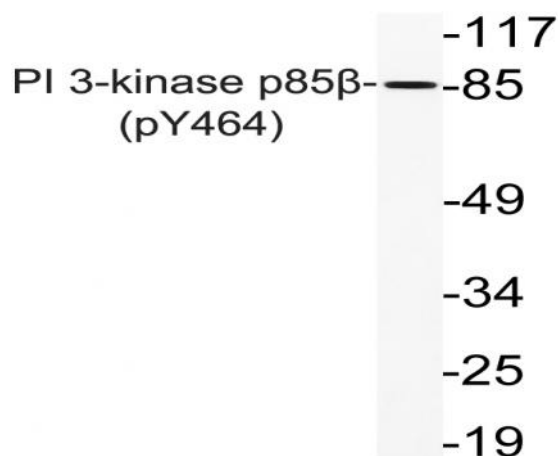
<b>Specificity :</b>	Phospho-PI 3-kinase p85 $\beta$ (Y464) Polyclonal Antibody detects endogenous levels of PI 3-kinase p85 $\beta$ protein only when phosphorylated at Y464.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	85kD
<b>Cell Pathway :</b>	Regulates Angiogenesis; Regulation_Microtubule; Regulation of Actin Dynamics; SAPK_JNK; Stem cell pathway; Insulin Receptor; ErbB/HER; AMPK; mTOR; B Cell Receptor; Adherens_Junction
<b>Background :</b>	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],
<b>Function :</b>	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.,
<b>Subcellular Location :</b>	nucleus,cytosol,phosphatidylinositol 3-kinase complex,
<b>Expression :</b>	Brain,Epithelium,Kidney,Placenta,

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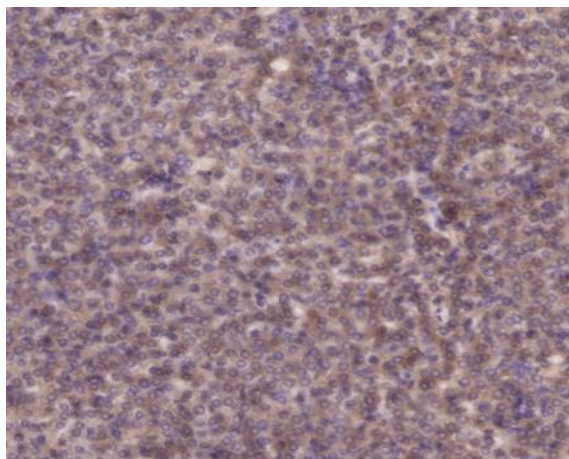
## Products Images



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using PI 3-kinase p85 $\beta$  (Phospho-Tyr464) Antibody



Western blot analysis of lysate from Jurkat cells, using phospho-PI 3-kinase p85 $\beta$  (Phospho-Tyr464) antibody.



Immunohistochemical analysis of paraffin-embedded human Moderately differentiated hepatocellular carcinoma Antibody was diluted at 1:200(4° overnight).