

**PI 3-kinase p85 $\beta$  (phospho Tyr464) rabbit pAb****Cat#: orb769467 (Manual)**

For research use only. Not intended for diagnostic use.

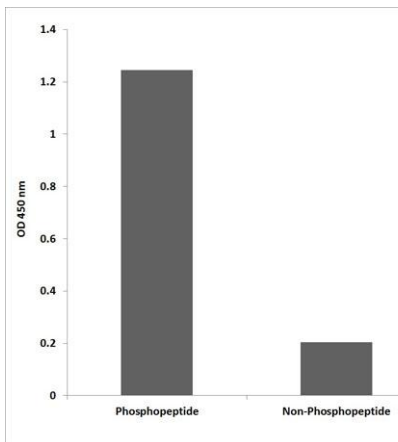
<b>Product Name</b>	PI 3-kinase p85 $\beta$ (phospho Tyr464) rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
<b>Immunogen</b>	Synthesized phospho-peptide around the phosphorylation site of human PI 3-kinase p85 $\beta$ (phospho Tyr464)
<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>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Phosphatidylinositol 3-kinase regulatory subunit beta
<b>Gene Name</b>	PIK3R2
<b>Cellular localization</b>	nucleus,cytosol,phosphatidylinositol 3-kinase complex,
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal

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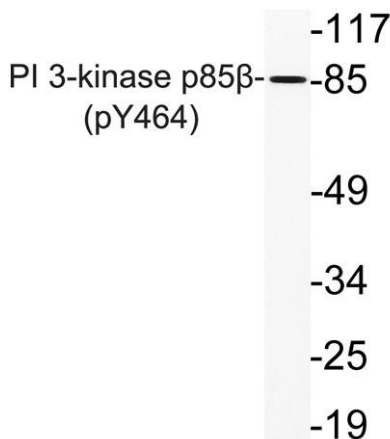
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	85kD
<b>Human Gene ID</b>	5296
<b>Human Swiss-Prot Number</b>	O00459
<b>Alternative Names</b>	PIK3R2; Phosphatidylinositol 3-kinase regulatory subunit beta; PI3-kinase regulatory subunit beta; PI3K regulatory subunit beta; PtdIns-3-kinase regulatory subunit beta; Phosphatidylinositol 3-kinase 85 kDa regulatory subunit beta; PI3-kinase

**Background**

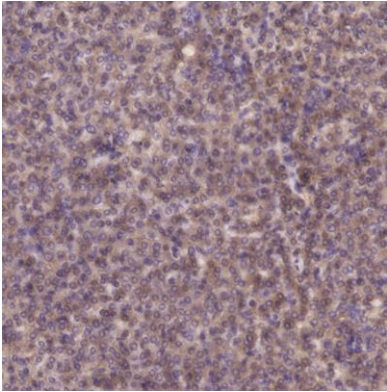
Phosphatidylinositol 3-kinase (PI3K) is a lipid kinase that phosphorylates phosphatidylinositol and similar compounds, creating second messengers important in growth signaling pathways. PI3K functions as a heterodimer of a regulatory and a catalytic subunit. The protein encoded by this gene is a regulatory 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],



**Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using PI 3-kinase p85β (Phospho-Tyr464) Antibody**



**Western blot analysis of lysate from Jurkat cells, using phospho-PI 3-kinase p85β (Phospho-Tyr464) antibody.**



Immunohistochemical analysis of paraffin-embedded human Moderately differentiated hepatocellular carcinoma Antibody was diluted at 1:200(4<sup>o</sup> overnight).