



PI 3-kinase p85 β (phospho Tyr464) rabbit pAb

Cat No.:ES6592

For research use only

Overview

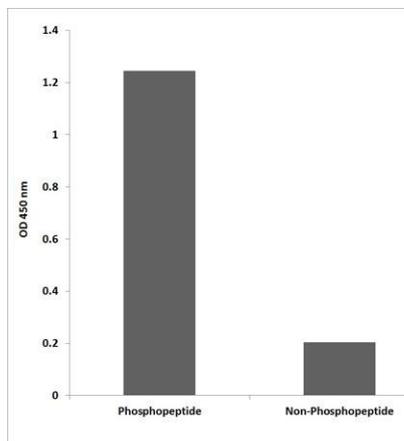
Product Name	PI 3-kinase p85 β (phospho Tyr464) rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Immunogen	Synthesized phospho-peptide around the phosphorylation site of human PI 3-kinase p85 β (phospho Tyr464)
Specificity	Phospho-PI 3-kinase p85 β (Y464) Polyclonal Antibody detects endogenous levels of PI 3-kinase p85 β protein only when phosphorylated at Y464.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Phosphatidylinositol 3-kinase regulatory subunit beta
Gene Name	PIK3R2
Cellular localization	nucleus,cytosol,phosphatidylinositol 3-kinase complex,
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	85kD
Human Gene ID	5296
Human Swiss-Prot Number	O00459
Alternative Names	PIK3R2; Phosphatidylinositol 3-kinase regulatory subunit beta; PI3-kinase regulatory subunit beta; PI3K regulatory subunit beta; PtdIns-3-kinase regulatory subunit beta; Phosphatidylinositol



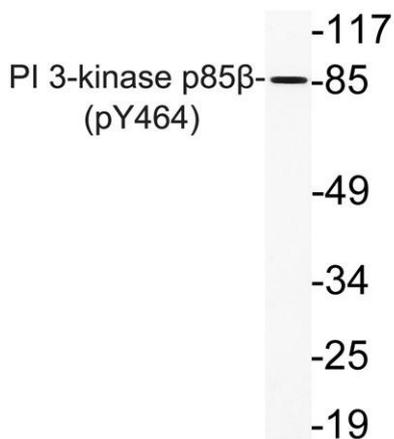


Background

3-kinase 85 kDa regulatory subunit beta; PI3-kinase 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 p85 β (Phospho-Tyr464) Antibody

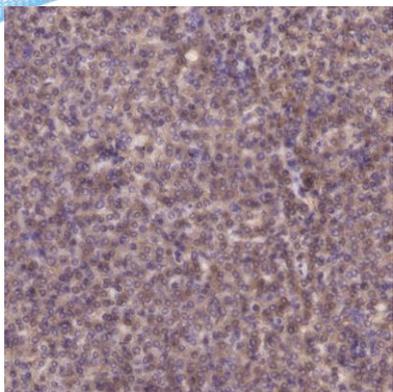


Western blot analysis of lysate from Jurkat cells, using phospho-PI 3-kinase p85 β (Phospho-Tyr464) antibody.





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



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