



# PI 3-kinase p85 $\beta$ (phospho Tyr464) Monoclonal Antibody

Catalog No	BYmab-14338
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	PIK3R2
Protein Name	Phosphatidylinositol 3-kinase regulatory subunit beta
Immunogen	Synthesized phospho-peptide around the phosphorylation site of human PI 3-kinase p85 $\beta$ (phospho Tyr464)
Specificity	Phospho-PI 3-kinase p85 $\beta$ (Y464) Monoclonal Antibody detects endogenous levels of PI 3-kinase p85 $\beta$ protein only when phosphorylated at Y464.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	$\geq 90\%$
Storage Stability	-20°C/1 year
Synonyms	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-kina
Observed Band	85kD
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

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(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],

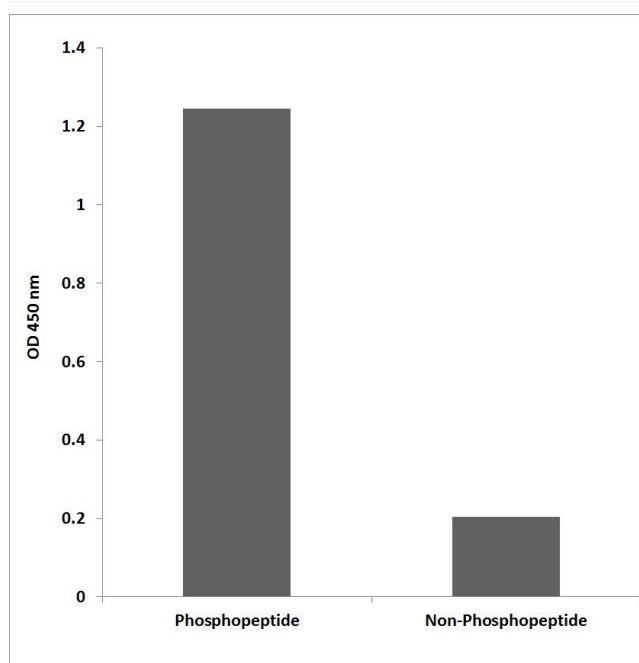
## matters needing attention

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



Western Blot analysis of various cells using PI 3-kinase p85  $\beta$  (phospho Tyr464) Monoclonal Antibody

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