PI 3 Kinase p85β Monoclonal Antibody

Catalog No	BYmab-17956
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	
Protein Name	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
Immunogen	Synthetic peptide from human protein at AA range: 1-60
Specificity	The antibody detects endogenous PI 3-Kinase p85 β
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	≥90%
Storage Stability	-20°C/1 year
Synonyms	p85;p85 beta;p85-BETA;P85B;P85B_HUMAN;Phosphatidylinositol 3 kinase;Phosphatidylinositol 3 kinase regulatory beta subunit;Phosphatidylinositol 3 kinase regulatory subunit beta;Phosphatidylinositol 3 kinase regulatory subunit polypeptide 2;Phosphatidylinositol 3 kinase, regulatory subunit, polypeptide 2 (p85 beta);Phosphatidylinositol 3-kinase 85 kDa regulatory subunit beta;phosphatidylinositol 3-kinase;Phosphatidylinositol 3-kinase regulatory beta subunit;Phosphatidylinositol 3-kinase regulatory subunit beta;Phosphoinositide 3 kinase regulatory subunit 2 (beta);Phosphoinositide 3 kinase regulatory subunit 2;Phosphoinositide 3 kinase regulatory subunit polypeptide 2 (p85 beta);Phosphoinositide 3 kinase regulatory subunit polypeptide 2;Phosphoinositide 3 kinase, regulatory subunit 2 (beta);Phosphoinositide 3 kinase, regulatory subunit 2 (p85 beta);PI3 kinase p85 beta subunit;PI3 kinase p85 subunit beta;PI3-kinase regulatory subunit beta;PI3-kinase subunit p85-beta;PI3K;PI3K regulatory su

Observed Band	
Cell Pathway	nucleus,cytosol,phosphatidylinositol 3-kinase complex,
Tissue Specificity	nucleus,cytosol,phosphatidylinositol 3-kinase complex,
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 (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.

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