



PI 3-kinase p85 β Monoclonal Antibody

Catalog No	YP-mAb-14917
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	PIK3R2
Immunogen	The antiserum was produced against synthesized peptide derived from human PI 3-kinase p85 β . AA range:409-458
Specificity	PI 3-kinase p85 β Monoclonal Antibody detects endogenous levels of PI 3-kinase p85 β protein.
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 1:500-1:2000
Concentration	1 mg/ml
Purity	$\geq 90\%$
Storage Stability	-20°C/1 year
Synonyms	p85;MPPH;P85B;MPPH1;p85 β ;p85-BETA;PI3 Kinase p85 β ;PI3 Kinase p85 β ;PIK3R2;Phosphatidylinositol 3-kinase regulatory subunit β ;PI3-kinase regulatory subunit β ;PI3K regulatory subunit β ;PtdIns-3-kinase regulatory subunit β ;Phosphatidylinositol 3-kinase 85 kDa regulatory subunit β ;PI3-kina
Observed Band	85kD
Calculated Molecular Weight	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 (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],

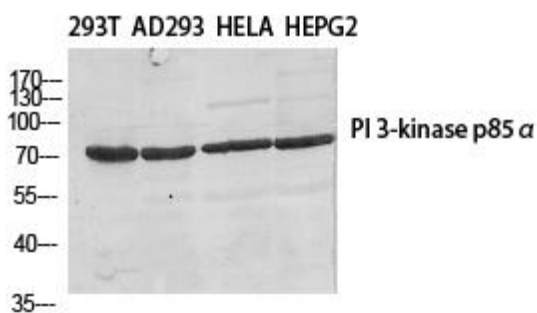
matters needing attention

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 β Monoclonal Antibody