



PI3 Kinase p85 β mouse mAb

Catalog No	YP-Ab-14233
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	pik3r2
Immunogen	Purified recombinant human PI3 Kinase p85 beta protein fragments expressed in E.coli.
Specificity	This antibody detects endogenous levels of PI3 Kinase p85 beta and does not cross-react with related proteins.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Dilution	wb 1:1000
Concentration	1 mg/ml
Purity	$\geq 90\%$
Storage Stability	-20°C/1 year
Synonyms	PI3K p85 β ;PI3K p85(beta);PI3K p85 β ;PIK3R2;2B3B6;PI3 Kinase p85 β ;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;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); 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
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],

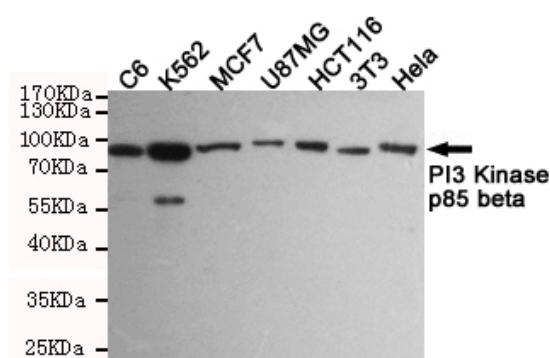
matters needing attention

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 detection of PI3 Kinase p85 beta in C6, K562, MCF7, U87MG, HCT116, 3T3 and Hela cell lysates using PI3 Kinase p85 beta mouse mAb (1:1000 diluted). Predicted band size: 85KDa. Observed band size: 85KDa.