

## Immunotag™ PI3 Kinase p85 β mouse mAb

Antibody Specification	
Catalog No.	ITM1370
Product Description	Immunotag™ PI3 Kinase p85 β mouse mAb
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	PI3 Kinase p8500 β
Clonality	Monoclonal
Storage/Stability	-20°C/1 year
Application	WB
Recommended Dilution	wb 1:1000
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Mouse
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.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	pik3r2
Accession No.	O00459 O08908

## Antibody Specification

Alternate Names	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 subunit beta; PIK3R 2; PIK3R2; polypeptide 2 (p85 beta); PtdIns 3 kinase p85 beta; PtdIns-3-kinase p85-beta; PtdIns-3-kinase regulatory subunit beta; PtdIns-3-kinase regulatory subunit p85-beta.
Description	phosphoinositide-3-kinase regulatory subunit 2(PIK3R2) Homo sapiens 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],
Cell Pathway/ Category	ErbB_HER,Chemokine,Phosphatidylinositol signaling system,mTOR,Apoptosis_Inhibition,Apoptosis_Mitochondrial,Apoptosis_Overview,VEGF,Focal adhesion,Toll_Like,Jak_STAT,Natural killer cell mediated cytotoxicity,T_Cell_Receptor,B_Cell_Antigen,Fc epsilon RI,Fc gamma R-mediated phagocytosis,Leukocyte transendothelial migration,Neurotrophin,Regulates Actin and Cytoskeleton,Insulin_Receptor,Progesterone-mediated oocyte maturation,Type II diabetes mellitus,Aldosterone-regulated sodium reabsorption,Pathways in cancer,Colorectal cancer,Renal cell carcinoma,Pancreatic cancer,Endometrial cancer,Glioma,Prostate cancer,Melanoma,Chronic myeloid leukemia,Acute myeloid leukemia,Small cell lung cancer,Non-small cell lung cancer,
Protein Expression	Brain,Epithelium,Kidney,Placenta,
Subcellular Localization	nucleus,cytosol,phosphatidylinositol 3-kinase complex,
Protein 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.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.