Immunotag™ PI 3-Kinase p85β Polyclonal Antibody

Antibody Specification

Catalog No.	ITM3420
Product Description	Immunotag™ PI 3-Kinase p85β Polyclonal Antibody
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	PI 3-Kinase p8500β
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC-p
Recommended Dilution	WB: 1:1000-2000 IHC: 1:50-200
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Rabbit
Immunogen	Recombinant Protein of PI 3-Kinase p85β
Specificity	The antibody detects endogenous PI 3-Kinase p85β protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	PBS, pH 7.4, containing 0.02% sodium azide as Preservative and 50% Glycerol.
Gene Name	PIK3R2
Accession No.	O00459 O08908
Alternate Names	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-kinase subunit p85-beta; PtdIns-3-kinase regulatory subunit p85-beta

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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.