

## Product datasheet for **TA347017**

### PI 3 Kinase p85 beta (PIK3R2) Mouse Monoclonal Antibody [Clone ID: 8D9-D5-F8]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	8D9-D5-F8
Applications:	WB
Recommended Dilution:	WB: 1:1000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	The immunogen for PIK3R2 antibody: purified recombinant human PI3 Kinase p85 beta protein fragments expressed in E.coli.
Formulation:	PBS(pH 7.4) containing with 0.02% sodium azide and 50% glycerol.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	85 kDa
Gene Name:	phosphoinositide-3-kinase regulatory subunit 2
Database Link:	<a href="#">NP_005018</a> <a href="#">Entrez Gene 5296 Human</a> <a href="#">O00459</a>
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.
Synonyms:	MPPH; MPPH1; p85; p85-BETA; P85B
Protein Families:	Druggable Genome



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**Protein Pathways:**

Acute myeloid leukemia, Apoptosis, B cell receptor signaling pathway, Chemokine signaling pathway, Chronic myeloid leukemia, Colorectal cancer, Endometrial cancer, ErbB signaling pathway, Fc epsilon RI signaling pathway, Fc gamma R-mediated phagocytosis, Focal adhesion, Glioma, Insulin signaling pathway, Jak-STAT signaling pathway, Leukocyte transendothelial migration, Melanoma, mTOR signaling pathway, Natural killer cell mediated cytotoxicity, Neurotrophin signaling pathway, Non-small cell lung cancer, Pancreatic cancer, Pathways in cancer, Phosphatidylinositol signaling system, Progesterone-mediated oocyte maturation, Prostate cancer, Regulation of actin cytoskeleton, Renal cell carcinoma, Small cell lung cancer, T cell receptor signaling pathway, Toll-like receptor signaling pathway, Type II diabetes mellitus, VEGF signaling pathway