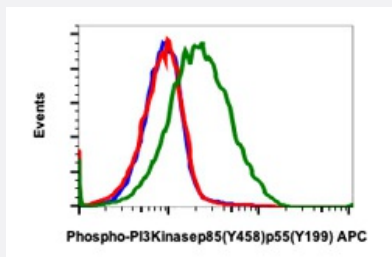


RecomAb™

PIK3R3/PIK3R1/PIK3R2 recombinant monoclonal antibody, clone PI3KY458-1A11 (APC)

Catalog # RAB02914 Size 100 Reactions

Applications



Flow Cytometry

Flow cytometric analysis of Ramos cells untreated and unstained as negative control (blue) or untreated (red) or treated with pervanadate (green) and stained using Phospho-PI3 Kinase p85 (Tyr458)/p55 (Tyr199) antibody PI3KY458-1A11 APC conjugate.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human PIK3R3/PIK3R1/PIK3R2.
Antibody Species	Rabbit
Immunogen	A synthetic phospho-peptide corresponding to residues surrounding Tyr458 of human phospho PI3K p85
Reactivity	Human
Form	Liquid
Conjugation	APC
Purification	Protein A purification, Protein G purification
Isotype	IgG
Recommend Usage	Flow Cytometry The optimal working dilution should be determined by the end user.

Storage Buffer	1X PBS, 0.09% Sodium azide, 0.2% BSA
Storage Instruction	Store at 4°C. Do not freeze.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Flow Cytometry

Flow cytometric analysis of Ramos cells untreated and unstained as negative control (blue) or untreated (red) or treated with pervanadate (green) and stained using Phospho-PI3 Kinase p85 (Tyr458)/p55 (Tyr199) antibody PI3KY458-1A11 APC conjugate.

Gene Info — PIK3R1

Entrez GeneID	5295
Protein Accession#	Q92569;P27986;O00459
Gene Name	PIK3R1
Gene Alias	GRB1, p85, p85-ALPHA
Gene Description	phosphoinositide-3-kinase, regulatory subunit 1 (alpha)
Omim ID	171833
Gene Ontology	Hyperlink
Gene Summary	Phosphatidylinositol 3-kinase phosphorylates the inositol ring of phosphatidylinositol at the 3-prime position. The enzyme comprises a 110 kD catalytic subunit and a regulatory subunit of either 85, 55, or 50 kD. This gene encodes the 85 kD regulatory subunit. Phosphatidylinositol 3-kinase plays an important role in the metabolic actions of insulin, and a mutation in this gene has been associated with insulin resistance. Alternative splicing of this gene results in three transcript variants encoding different isoforms. [provided by RefSeq]
Other Designations	phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 1 (p85 alpha) phosphatidylinositol 3-kinase, regulatory, 1 phosphatidylinositol 3-kinase-associated p-85 alpha phosphoinositide-3-kinase, regulatory subunit 1 (p85 alpha) phosphoinositide-3-ki

Gene Info — PIK3R2

Entrez GeneID	5296
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Protein Accession#	Q92569;P27986;O00459
Gene Name	PIK3R2
Gene Alias	P85B, p85, p85-BETA
Gene Description	phosphoinositide-3-kinase, regulatory subunit 2 (beta)
Omim ID	603157
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 2 (p85 beta) phosphoinositide-3-kinase, regulatory subunit 2 (p85 beta) phosphoinositide-3-kinase, regulatory subunit, polypeptide 2 (p85 beta)

Gene Info — PIK3R3

Entrez GeneID	8503
Protein Accession#	Q92569;P27986;O00459
Gene Name	PIK3R3
Gene Alias	DKFZp686P05226, FLJ41892, p55, p55-GAMMA
Gene Description	phosphoinositide-3-kinase, regulatory subunit 3 (gamma)
Omim ID	606076
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	100% homology to SWISS-PROT Q92569 OTTHUMP00000009783 OTTHUMP00000009786 phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 3 (p55, gamma) phosphoinositide-3-kinase, regulatory subunit 3 (p55, gamma) phosphoinositide-3-kinase, regulatory subun

Pathway

- [Acute myeloid leukemia](#)
- [Acute myeloid leukemia](#)
- [Acute myeloid leukemia](#)

- [Apoptosis](#)
- [Apoptosis](#)
- [Apoptosis](#)
- [B cell receptor signaling pathway](#)
- [B cell receptor signaling pathway](#)
- [B cell receptor signaling pathway](#)
- [Chemokine signaling pathway](#)
- [Chemokine signaling pathway](#)
- [Chemokine signaling pathway](#)
- [Chronic myeloid leukemia](#)
- [Chronic myeloid leukemia](#)
- [Chronic myeloid leukemia](#)
- [Colorectal cancer](#)
- [Colorectal cancer](#)
- [Colorectal cancer](#)
- [Endometrial cancer](#)
- [Endometrial cancer](#)
- [Endometrial cancer](#)
- [ErbB signaling pathway](#)
- [ErbB signaling pathway](#)
- [ErbB signaling pathway](#)
- [Fc epsilon RI signaling pathway](#)
- [Fc epsilon RI signaling pathway](#)
- [Fc epsilon RI signaling pathway](#)
- [Fc gamma R-mediated phagocytosis](#)
- [Fc gamma R-mediated phagocytosis](#)

- [Fc gamma R-mediated phagocytosis](#)
- [Focal adhesion](#)
- [Focal adhesion](#)
- [Focal adhesion](#)
- [Glioma](#)
- [Glioma](#)
- [Glioma](#)
- [Insulin signaling pathway](#)
- [Insulin signaling pathway](#)
- [Insulin signaling pathway](#)
- [Jak-STAT signaling pathway](#)
- [Jak-STAT signaling pathway](#)
- [Jak-STAT signaling pathway](#)
- [Leukocyte transendothelial migration](#)
- [Leukocyte transendothelial migration](#)
- [Leukocyte transendothelial migration](#)
- [Melanoma](#)
- [Melanoma](#)
- [Melanoma](#)
- [mTOR signaling pathway](#)
- [mTOR signaling pathway](#)
- [mTOR signaling pathway](#)
- [Natural killer cell mediated cytotoxicity](#)
- [Natural killer cell mediated cytotoxicity](#)
- [Natural killer cell mediated cytotoxicity](#)
- [Neurotrophin signaling pathway](#)

- [Neurotrophin signaling pathway](#)
- [Neurotrophin signaling pathway](#)
- [Non-small cell lung cancer](#)
- [Non-small cell lung cancer](#)
- [Non-small cell lung cancer](#)
- [Pancreatic cancer](#)
- [Pancreatic cancer](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)
- [Pathways in cancer](#)
- [Pathways in cancer](#)
- [Phosphatidylinositol signaling system](#)
- [Phosphatidylinositol signaling system](#)
- [Phosphatidylinositol signaling system](#)
- [Prostate cancer](#)
- [Prostate cancer](#)
- [Prostate cancer](#)
- [Regulation of actin cytoskeleton](#)
- [Regulation of actin cytoskeleton](#)
- [Regulation of actin cytoskeleton](#)
- [Renal cell carcinoma](#)
- [Renal cell carcinoma](#)
- [Renal cell carcinoma](#)
- [Small cell lung cancer](#)
- [Small cell lung cancer](#)
- [Small cell lung cancer](#)

- [T cell receptor signaling pathway](#)
- [T cell receptor signaling pathway](#)
- [T cell receptor signaling pathway](#)
- [Toll-like receptor signaling pathway](#)
- [Toll-like receptor signaling pathway](#)
- [Toll-like receptor signaling pathway](#)
- [Type II diabetes mellitus](#)
- [Type II diabetes mellitus](#)
- [Type II diabetes mellitus](#)
- [VEGF signaling pathway](#)
- [VEGF signaling pathway](#)
- [VEGF signaling pathway](#)

Disease

- [Alzheimer disease](#)
- [Body Weight](#)
- [Cardiovascular Diseases](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Diabetes Mellitus](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Genetic Predisposition to Disease](#)
- [Glucose Intolerance](#)
- [HIV Infections](#)

- [Hypercholesterolemia](#)
- [Hypertension](#)
- [Insulin Resistance](#)
- [Kidney Failure](#)
- [Neoplasms](#)
- [Obesity](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Periodontitis](#)
- [Polycystic Ovary Syndrome](#)
- [Prostatic Neoplasms](#)
- [Prostatic Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Tobacco Use Disorder](#)