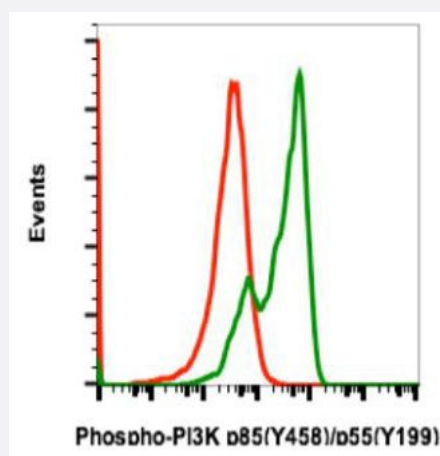


PIK3R1/PIK3R3 (phospho Y458/Y199) monoclonal antibody, clone 1A11 (FITC)

Catalog # MAB19012 Size 10 Reactions

Applications



Flow Cytometry

Flow cytometric analysis of Ramos cells stained untreated (red) or treated with pervanadate (green) using PIK3R1/PIK3R3 (phospho Y458/Y199) monoclonal antibody (FITC).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic phosphopeptide of human PIK3R1/PIK3R3.
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding Y458 of human PIK3R1.
Host	Rabbit
Reactivity	Human
Form	Liquid
Conjugation	FITC
Purification	Protein A/G Purification
Isotype	IgG1k

Recommend Usage

Flow Cytometry (5 μ L/ 10^6 cells or 0.05 μ g/mL)
The optimal working dilution should be determined by the end user.

Storage Buffer

In PBS, pH 7.4 (0.2% BSA, 0.09% sodium azide).

Storage Instruction

Store at 2-8°C.

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 stained untreated (red) or treated with pervanadate (green) using PIK3R1/PIK3R3 (phospho Y458/Y199) monoclonal antibody (FITC).

Gene Info — PIK3R1

Entrez GeneID

[5295](#)

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 — PIK3R3

Entrez GeneID	8503
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](#)
- [Apoptosis](#)
- [Apoptosis](#)
- [B cell receptor signaling pathway](#)
- [B cell receptor signaling pathway](#)
- [Chemokine signaling pathway](#)
- [Chemokine signaling pathway](#)
- [Chronic myeloid leukemia](#)
- [Chronic myeloid leukemia](#)
- [Colorectal cancer](#)
- [Colorectal cancer](#)
- [Endometrial cancer](#)
- [Endometrial cancer](#)
- [ErbB signaling pathway](#)

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

- [Pancreatic cancer](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)
- [Pathways in cancer](#)
- [Phosphatidylinositol signaling system](#)
- [Phosphatidylinositol signaling system](#)
- [Prostate cancer](#)
- [Prostate cancer](#)
- [Regulation of actin cytoskeleton](#)
- [Regulation of actin cytoskeleton](#)
- [Renal cell carcinoma](#)
- [Renal cell carcinoma](#)
- [Small cell lung cancer](#)
- [Small cell lung cancer](#)
- [T cell receptor signaling pathway](#)
- [T cell receptor signaling pathway](#)
- [Toll-like receptor signaling pathway](#)
- [Toll-like receptor signaling pathway](#)
- [Type II diabetes mellitus](#)
- [Type II diabetes mellitus](#)
- [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](#)