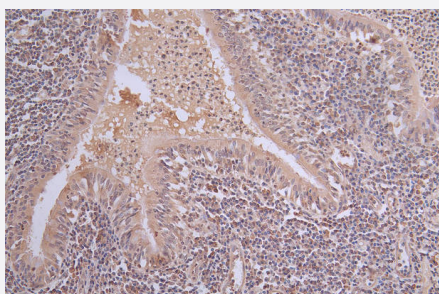


RecomAb™

PIK3R1 recombinant monoclonal antibody, clone 13E7

Catalog # RAB07765 Size 100 uL

Applications



Immunohistochemistry

Immunohistochemistry image of PIK3R1 recombinant monoclonal antibody, clone 13E7 diluted at 1:50 and staining in paraffin-embedded human lung tissue performed on a Leica Bond™ system.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human PIK3R1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human PIK3R1.
Reactivity	Human
Form	Liquid
Purification	Affinity chromatography purification
Isotype	IgG
Recommend Usage	ELISA Immunohistochemistry(1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry

Immunohistochemistry image of PIK3R1 recombinant monoclonal antibody, clone 13E7 diluted at 1:50 and staining in paraffin-embedded human lung tissue performed on a Leica Bond™ system.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — PIK3R1

Entrez GeneID [5295](#)

Protein Accession# [P27986](#)

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

Pathway

- [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](#)
- [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](#)

Disease

- [Alzheimer disease](#)
- [Body Weight](#)
- [Cardiovascular Diseases](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Diabetes Mellitus](#)
- [Drug Toxicity](#)
- [Edema](#)
- [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](#)
- [Tobacco Use Disorder](#)