

Product datasheet for TA362507

OriGene Technologies, Inc.

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PI 3 Kinase p85 alpha (PIK3R1) Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WB

Reactivity: Human Host: Rabbit

Clonality: Polyclonal

Immunogen: The immunogen is a synthetic peptide directed towards the C terminal region of human

PIK3R1

Specificity: Expected reactivity: Human

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

Concentration: lot specific

Purification: Affinity purified
Conjugation: Unconjugated

Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.

Stability: Shelf life: one year from despatch.

Predicted Protein Size: 39 kDa

Gene Name: phosphoinositide-3-kinase regulatory subunit 1

Database Link: <u>NP 001229395.1</u>

Entrez Gene 5295 Human

P27986-5

Background: 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 four transcript variants encoding different isoforms.





Synonyms: GRB1; p85; p85-ALPHA; PI3K

Protein Families: Druggable Genome

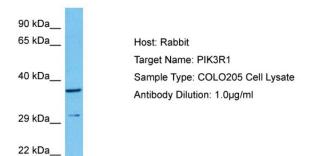
Protein Pathways: Acute myeloid leukemia, Apoptosis, B cell receptor signaling pathway, Chemokine signaling

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

Product images:



Host: Rabbit Target Name: PIK3R1

Sample Tissue: Human COLO205 Whole Cell

lysates

Antibody Dilution: 1ug/ml