

# PIK3R5 Rabbit pAb

Catalog No.: A4562

## Basic Information

**Observed MW**

95kDa

**Calculated MW**

97kDa

**Category**

Primary antibody

**Applications**

WB

**Cross-Reactivity**

Human

## Background

Phosphatidylinositol 3-kinases (PI3Ks) phosphorylate the inositol ring of phosphatidylinositol at the 3-prime position, and play important roles in cell growth, proliferation, differentiation, motility, survival and intracellular trafficking. The PI3Ks are divided into three classes: I, II and III, and only the class I PI3Ks are involved in oncogenesis. This gene encodes the 101 kD regulatory subunit of the class I PI3K gamma complex, which is a dimeric enzyme, consisting of a 110 kD catalytic subunit gamma and a regulatory subunit of either 55, 87 or 101 kD. This protein recruits the catalytic subunit from the cytosol to the plasma membrane through high-affinity interaction with G-beta-gamma proteins. Multiple alternatively spliced transcript variants encoding two distinct isoforms have been found.

## Recommended Dilutions

WB 1:500 - 1:1000

## Immunogen Information

**Gene ID**

23533

**Swiss Prot**

Q8WYR1

**Immunogen**

A synthetic Peptide of human PIK3R5

**Synonyms**

p101; FOAP-2; P101-PI3K; F730038I15Rik; PIK3R5

## Contact

 | [www.abclonal.com](http://www.abclonal.com)

## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

Affinity purification

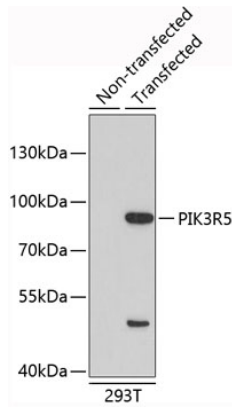
**Storage**

Store at 4°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, pH7.3.

## Validation Data

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Western blot analysis of extracts of 293T cells, using PIK3R5 antibody (A4562).  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.