

# Phospho-PI3KP85 $\alpha$ /P55 $\gamma$ /P85 $\beta$ -Y467/Y464/Y199 Rabbit pAb

Catalog No.: AP0427 **12 Publications**

## Basic Information

**Observed MW**

85kDa

**Calculated MW**

42-54kDa/81-84kDa

**Category**

Primary antibody

**Applications**

WB

**Cross-Reactivity**

Human, Mouse, Rat

## 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. [provided by RefSeq, Jun 2011]

## Recommended Dilutions

WB 1:500 - 1:1000

## Immunogen Information

**Gene ID**

5295/5296/8503

**Swiss Prot**

P27986/O00459/Q92569

**Immunogen**

A phospho specific peptide corresponding to residues surrounding Y467 of human PIK3R1/2/3

**Synonyms**PIK3R1/PIK3R2/PIK3R3; Phospho-PI3KP85 $\alpha$ /P55 $\gamma$ /P85 $\beta$ -Y467/Y464/Y199

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

Affinity purification

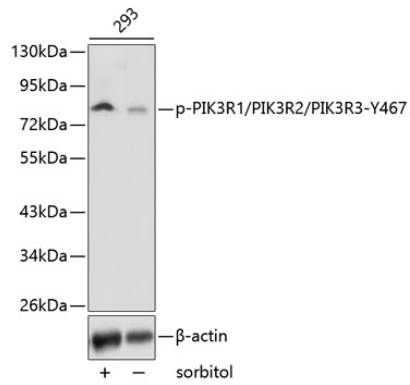
**Storage**

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Validation Data

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Western blot analysis of lysates from 293 cells, using Phospho-PI3K P85α/P55γ/P85β-Y467/Y464/Y199 Rabbit pAb (AP0427).  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25μg per lane.  
Blocking buffer: 3% BSA.