

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

Catalog No.: AP0427 **44 Publications**

## Basic Information

### Observed MW

60 kDa/85 kDa

### 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 1:1000 - 1:2000

## Immunogen Information

### Gene ID

5295/5296/8503

### Swiss Prot

P27986/O00459/Q92569

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### 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

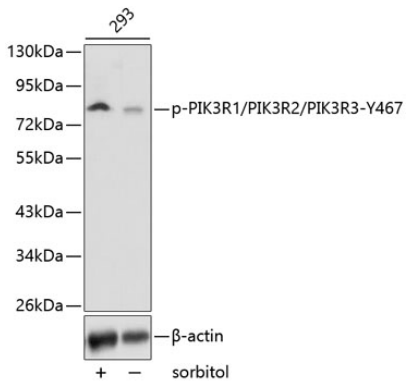
### Storage

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

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data

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Western blot analysis of lysates from 293 cells, using Phospho-PI3K $\beta$ 85 $\alpha$ /P55 $\gamma$ /P85 $\beta$ -Y467/Y464/Y199 Rabbit pAb (AP0427).  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25 $\mu$ g per lane.  
Blocking buffer: 3% BSA.