

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

Catalog No.: AP0854 **61 Publications**

## Basic Information

**Observed MW**

60kDa(P55)/85kDa(P85)

**Calculated MW**

42-54kDa/81-84kDa

**Category**

Primary antibody

**Applications**

ELISA,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 - 1:2000

## Immunogen Information

**Gene ID**

5295/5296/8503

**Swiss Prot**

P27986/O00459/Q92569

**Immunogen**

A synthetic phosphorylated peptide around Y467/Y199/Y464 of human p85-alpha (NP\_852664.1).

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

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

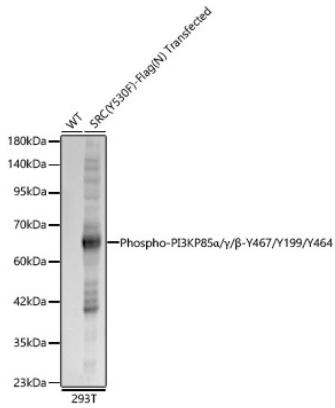
Affinity purification

**Storage**

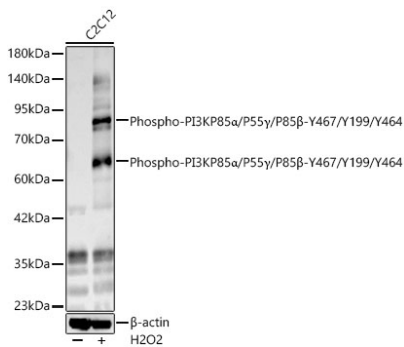
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.

## Validation Data



Western blot analysis of lysates from wild type (WT) and 293T cells were transfected with SRC(Y530F), using Phospho-PI3KP85α/γ/β-Y467/Y199/Y464 Rabbit pAb (AP0854) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



Western blot analysis lysates from C2C12, using Phospho-PI3KP85α/P55γ/P85β-Y467/Y199/Y464 Rabbit pAb (AP0854) at 1:1000 dilution. C2C12 cells were treated by Hydrogen Peroxide (2 nM) at 37°C for 15 minutes after serum-starvation overnight. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.