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# Phospho-PI3KP85α/P55γ/P85β-Y467/Y464/Y199 Rabbit pAb

## Catalog No.: AP0427

50 Publications

## Basic Information

**Observed MW**
60 kDa/85 kDa

**Calculated MW**
42-54kDa/81-84kDa

**Category**
Polyclonal Antibodies

**Applications**
WB, IP, IF/ICC, ELISA

**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 - 1:5000

**IP**
0.5 μg - 4 μg antibody for 200 μg - 400 μg extracts of whole cells

**IF/ICC** 1:200 - 1:2000

**ELISA**
Recommended starting concentration is 1 μg/mL

## 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-PI3KP85α/P55γ/P85β-Y467/Y464/Y199


## Contact

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## Product Information

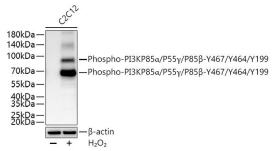
**Source**
Rabbit

**Isotype**
IgG

**Purity**
Affinity purification

**Storage**
Store at -20℃

## Validation Data




Western blot analysis of lysates from C2C12 cells using Phospho-PI3KP85α/P55γ /P85β-Y467/Y464/Y199 Rabbit pAb (AP0427) at 1:1000 dilution incubated overnight at 4℃. C2C12 cells were treated with $H_2O_2$ (4 mM) at 37℃ for 15 minutes.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 30 μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 20 s.