

Phospho-PI3K α /P55 γ /P85 β -Y467/Y199/Y464 Rabbit pAb

Catalog No.: AP0854 **43 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

Contact

 | www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

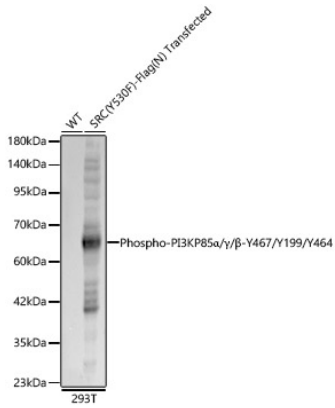
Affinity purification

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 transfected with Phospho-PI3KP85α/γ/β-Y467/Y199/Y464 Rabbit pAb, using Phospho-PI3KP85α/γ/β-Y467/Y199/Y464 Rabbit pAb (AP0854) at 1:1000 dilution.

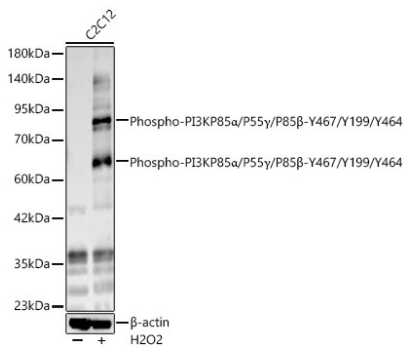
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 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 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.