

AP0854

Leader in Biomolecular Solutions for Life Science



Phospho-PI3KP85 α /P55 γ /P85 β -Y467/Y199/Y464 Rabbit pAb

Catalog No.: AP0854

76 Publications

Basic Information

Observed MW

60kDa(P55)/85kDa(P85)

Calculated MW

42-54kDa/81-84kDa

Category

Polyclonal Antibody

Applications

WB,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 - 1:2000

ELISA Recommended starting concentration is 1 μ g/mL. Please optimize the concentration based on your specific assay requirements.

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 α /P55 γ /P85 β -Y467/Y199/Y464

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

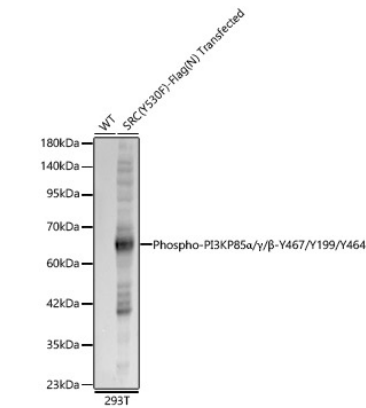
Purification

Affinity purification

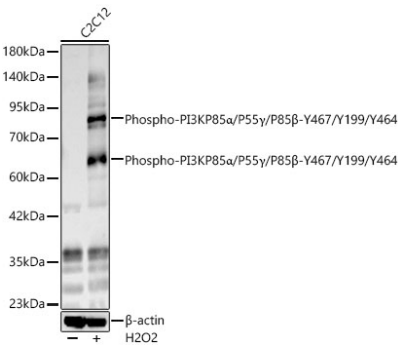
Storage

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

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



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.