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ABclonal Technology
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Phospho-PI3KP85α/P55γ/P85β-Y467/Y199/Y464 Rabbit pAb

Catalog No.: AP0854   **60 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

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-PI3KP85α/P55γ/P85β-Y467/Y199/Y464

Contact

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Product Information

Source
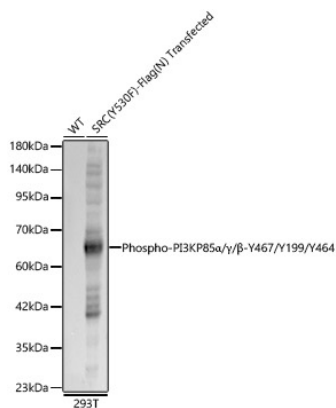Rabbit

Isotype
IgG

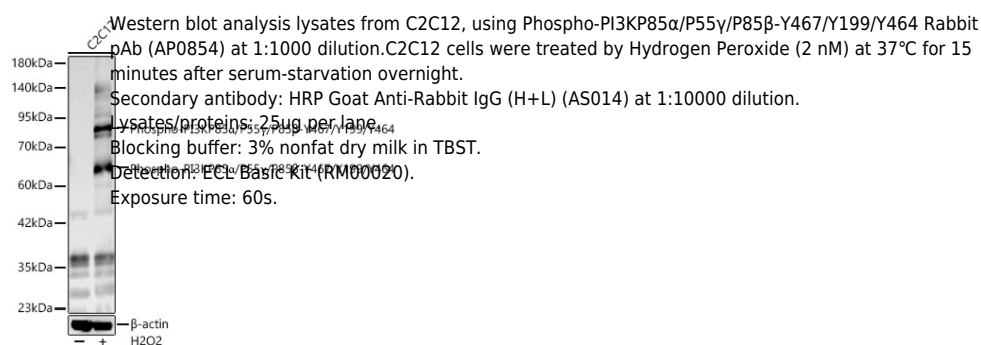**Purification**
Affinity purification

Storage
Store at -20℃. 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℃ 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.