

ABflo® 647 Rabbit anti-Human Phospho-PI3KP85α-Y467+P85β-Y464+P55γ-Y199 mAb

Catalog No.: AP1488

Basic Information

Observed MW

Calculated MW

42-54kDa/81-84kDa

Category

Primary antibody

Applications

FC (intra)

Cross-Reactivity

Human

CloneNo number

ARC65199

Conjugate

ABflo® 647. Ex:648nm. Em:664nm.

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

FC (intra) 5 µl per 10⁶ cells in
100 µl volume

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

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

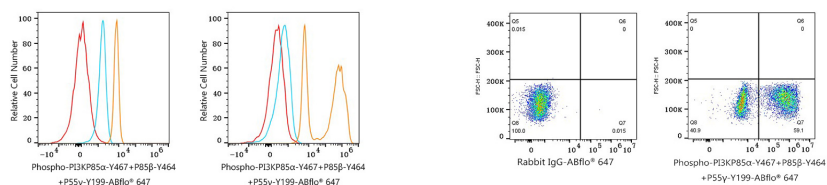
Affinity purification

Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS containing 0.2% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Flow cytometry: 1X10⁶ 293T cells (negative control, left) and 293T (Transfection, right) cells were intracellularly-stained with ABflo® 647 Rabbit anti-Human Phospho-PI3KP85α-Y467+P85β-Y464+P55γ-Y199 mAb (AP1488, 5 μl/Test, orange line) or ABflo® 647 Rabbit IgG isotype control (A22070, 5 μl/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry: 1X10⁶ 293T (Transfection) cells were intracellularly-stained with ABflo® 647 Rabbit IgG isotype control (A22070, 5 μl/Test, left) or ABflo® 647 Rabbit anti-Human Phospho-PI3KP85α-Y467+P85β-Y464+P55γ-Y199 mAb (AP1488, 5 μl/Test, right).