

PI3K p85 α /p55 γ (phospho-Y458/Y199) Recombinant Rabbit mAb

Catalog: BS66260

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

The enzyme phosphatidylinositol 3 kinase (PI3 kinase) is a lipid kinase that generates phosphatidylinositol 3, 4, 5-triphosphate in response to receptor activation in many signal transduction pathways. Class IA PI3Ks exist as a heterodimer of a catalytic 110 kDa (p110) and a regulatory p85 subunit (e.g. p85 alpha). p85 alpha is an adaptor molecule that regulates the activity of the catalytic p110 subunit by binding to phosphorylated receptor tyrosine kinases (RTKs) through its SH2 domain and mediating the interaction between p110 and the plasma membrane. p85 alpha is necessary for insulin-stimulated increase in glucose uptake and glycogen synthesis in insulin-sensitive tissues.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 85, 55 kDa

Swiss-Prot:

P27986/Q92569

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB, 1:500 - 1:1000 | IF/ICC, 1:50 - 1:200

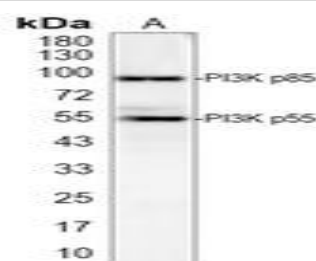
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

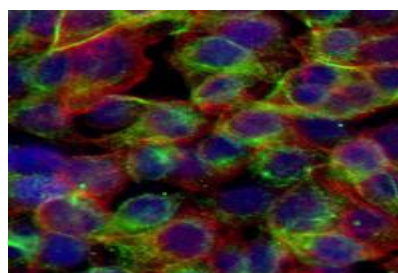
Specificity:

p-PI3K p85 α /p55 γ (Y458/Y199) Recombinant Rabbit mAb detects endogenous levels of PI3K p85 α /p55 γ only when phosphorylated at Tyr458/Tyr199.

DATA:



Western blot analysis of PI3K p85 α /p55 γ (phospho-Y458/Y199) expression in PC3 (A) whole cell lysates.



Immunofluorescent analysis of PI3K p85 α /p55 γ (phospho-Y458/Y199) staining in PC3 cells.

Note:

For research use only, not for use in diagnostic procedure.

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