

PI3K p55 γ Rabbit monoclonal antibody

Catalog: BS9852M

Host: Rabbit

Reactivity: Human, Mouse, Rat

Background:

Phosphatidylinositol 3-kinase is a lipid kinase that phosphorylates the inositol ring of phosphatidylinositol and related compounds at the 3' position. PI 3-kinase p55 γ (PIK3R3) is comprised of a catalytic subunit and a regulatory subunit. The human p55 γ protein is composed of a rare amino terminal region followed by a proline-rich motif and two Src homology 2 (SH2) domains. PI 3-kinase p55 γ mRNAs are expressed in most human fetal and adult tissues; predominant expression is observed in the adult testis. Splice variant(s) of PI 3-kinase p55 γ have been identified; one of which has a deletion of 36 amino acids at the amino terminus and another which has an insertion of 59 amino acids at position 256 between the SH2 domains. Research suggests that PI 3-kinase p55 γ interacts with the IGFIR (Insulin-like growth factor-I receptor) and IR (Insulin receptor) and may be involved in PI 3-kinase activation by these receptors.

Product:

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

Molecular Weight:

~ 55 kDa

Swiss-Prot:

Q92569

Purification&Purity:

Protein A affinity purified

Applications:

WB: 1:1000-1:10000

ICC/IF: 1:50-1:200

IHC: 1:200-1:500

Storage&Stability:

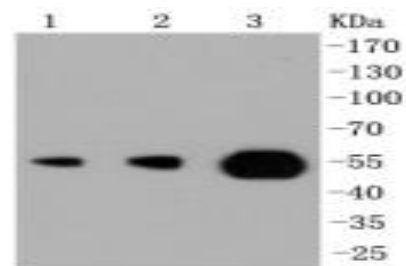
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

This antibody detects endogenous levels of PI3K p55 γ

and does not cross-react with related proteins.

DATA:

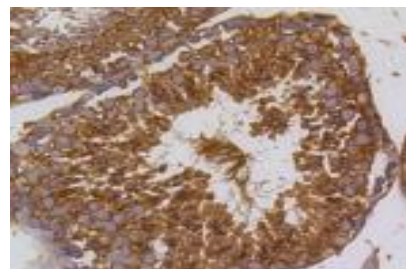


Western blot (WB) analysis of PI3K p55 γ Rabbit mAb at 1:1000 dilution

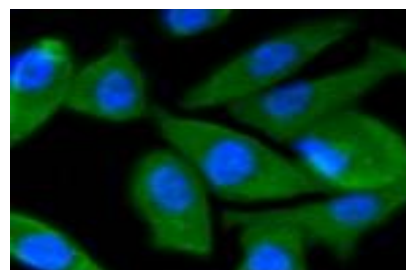
Lane1:MCF7 whole cell lysate

Lane2:Jurkat whole cell lysate

Lane3:The testis tissue lysate of Mouse



Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti-PI 3 Kinase p55 γ antibody. Counter stained with hematoxylin.



ICC staining PI 3 Kinase p55 γ in PC-3M cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton *100/PBS.

Note:

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

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PRODUCT DATA SHEET

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