

## PIK3C2G polyclonal antibody

Catalog: BS60313

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Phosphoinositide 3-kinase activity is implicated in assorted cellular responses activated by mammalian cell surface receptors and the regulation of protein sorting in yeast. The p110 $\gamma$  (PIK3CG) enzyme is activated in vitro by both the  $\alpha$  and  $\beta\gamma$  subunits of heterotrimeric GTP-binding proteins (G proteins) and does not associate with a p85 adaptor molecule. PI 3-kinase C2 $\gamma$ , also designated p110 $\gamma$ , may link signaling through G protein-coupled receptors to the generation of phosphoinositide second messengers that are phosphorylated in the D-3 position. The PI 3-kinase C2 $\gamma$  gene encodes a 1,050 amino acid polypeptide with 36% identity to human PI 3-kinase C2 $\alpha$ . Research indicates that PI 3-kinase C2 $\gamma$  can block the growth of human colon cancer cells.

### Product:

1mg/ml in PBS with 0.1% Sodium Azide, 50% Glycerol.

### Molecular Weight:

~ 171 kDa

### Swiss-Prot:

O75747

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

### Storage&Stability:

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

### Specificity:

PIK3C2G polyclonal antibody detects endogenous levels of PIK3C2G protein.

### DATA:



Western blot (WB) analysis of PIK3C2G polyclonal antibody at 1:500 dilution

Lane1:HeLa cell lysate

Lane2:NIH-3T3 cell lysate

Lane3:PC12 cell lysate

### Note:

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

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