

## PIP5KI $\gamma$ polyclonal antibody

Catalog: BS5857

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Phosphatidylinositol-4-phosphate-5-kinase (PIPK) synthesizes phosphatidylinositol-4,5-bisphosphate, which regulates various processes including cell proliferation, survival, membrane trafficking and cytoskeletal organization. The PIPK family is divided into type I, type II and type III. Each type of the PIPK family phosphorylates distinct substrates. They contain an activation loop, which determines their enzymatic specificity and subcellular targeting. The phosphatidylinositol-4-phosphate-5-kinase type I consists of three members, PIPK I  $\alpha$ ,  $\beta$  and  $\gamma$ , which are characterized by phosphorylating PI4P on the 5-hydroxyl. PIPK I  $\alpha$ , designated PIPK I  $\beta$  in mouse, is expressed in brain tissue. PIPK I  $\beta$ , designated PIPK I  $\alpha$  in mouse, is also called STM7. PIPK I  $\gamma$  has two variants produced by alternative splicing which are expressed in lung, brain and kidneys.

### Product:

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

### Molecular Weight:

~ 73, 87 kDa

### Swiss-Prot:

O60331

### 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

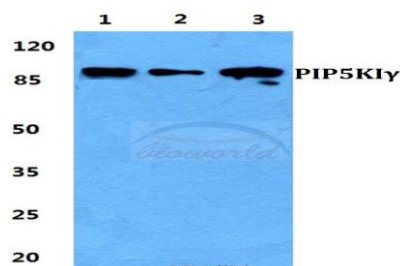
### Storage&Stability:

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

### Specificity:

PIP5KI $\gamma$  polyclonal antibody detects endogenous levels of PIP5KI $\gamma$  protein.

### DATA:



Western blot (WB) analysis of PIP5KI $\gamma$  polyclonal antibody at 1:500 dilution

Lane1:Hela cell lysate

Lane2:Raw264.7 cell lysate

Lane3:PC12 cell lysate

### Note:

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

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