

## PIP5K (Q95) polyclonal antibody

Catalog: BS2676

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:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.3.

### Molecular Weight:

~ 237 kDa

### Swiss-Prot:

Q9Y2I7

### 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: 1:1000~1:2000

### Storage&Stability:

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

### Specificity:

PIP5K (Q95) pAb detects endogenous levels of PIP5K protein.

### DATA:



Western blot (WB) analysis of PIP5K (Q95) pAb at 1:1000 dilution

Lane1:A2780 whole cell lysate(40ug)

Lane2:The Testis tissue lysate of Rat(40ug)

Lane3:The Testis tissue lysate of Mouse(30ug)

Lane4:Hela whole cell lysate(40ug)

### Note:

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

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