Bioworld Technology CO., Ltd.

PIP5KIγ Peptide

Cat No.: BS5857P

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 α, β and γ, which are characterized by phosphorylating PI4P on the 5-hydroxyl. PIPK I α, designated PIPK I β in mouse, is expressed in brain tissue. PIPK I β, designated PIPK I α in mouse, is also called STM7. PIPK I γ has two variants produced by alternative splicing which are expressed in lung, brain and kidneys.

Swiss-Prot

O60331

Applications

Blocking

Specificity

This peptide can be used with studies using BS5857 PIP5KIγ pAb.

Purification & Purity

Synthetic peptide PIP5KIγ. (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

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

Research Use

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

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