Bioworld Technology CO., Ltd.

TWIK-1 (V322) Peptide

Cat No.: BS3370P

Background

K+ channels are divided into three subclasses, reflecting the number of transmembrane segments (TMS), which are designated 6TMS, 4TMS and 2TMS. Members of the 4TMS class contain two distinct pore regions, and include TASK, TREK, TRAAK and TWIK. TWIK-1 mRNA is expressed abundantly in brain and at lower levels in lung, kidney and skeletal muscle. The molecular weight of TWIK-1 in mouse brain is 40 kDa under reducing conditions. TWIK-2 shares low sequence homology with other mammalian family group members, and only 34% homology with TWIK-1. Human TWIK-2 is expressed in pancreas, placenta and heart, while mouse TWIK-2 is expressed in liver. TWIK-2 is inhibited by intracellular, but not extracellular, acidification.

Swiss-Prot

O00180

Applications

Blocking

Specificity

This peptide can be used with studies using BS3370 TWIK-1 (V322) pAb.

Purification & Purity

Synthetic peptide TWIK-1 (V322). (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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