

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



MaxiK β 2 (I186) Peptide

Cat No.: BS9144P

Background

MaxiK β subunit 1 consists of two putative transmembrane domains, an extracellular loop containing three consensus sequences for N-linked glycosylation and four cysteine residues that might form disulfide bridges. MaxiK β subunit 1, one of four subunits in the MaxiK β family, is expressed predominately in smooth muscle tissue but is also found in brain, liver and lymphatic tissues. MaxiK β subunit 1 associates with MaxiK α to form a calcium-activated potassium channel (also designated MaxiK and BK channel). MaxiK β subunit 1 increases the sensitivity of the MaxiK α to calcium and voltage. The MaxiK α / β 1 channel is the most sensitive of all Maxi channels to calcium. MaxiK β plays an important role in vasoregulation by controlling the sensitivity of MaxiK channels to calcium, which leads to the proper amount of arterial relaxation.

Swiss-Prot

Q16558

Applications

Blocking

Specificity

This peptide can be used with studies using BS9144 MaxiK β 2 (I186) pAb.

Purification & Purity

Synthetic peptide MaxiK β 2 (I186). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

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

Research Use

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