Bioworld Technology CO., Ltd.

KIR2.3 (E285) Peptide

Cat No.: BS9176P

Background

The KIR2 subunit family includes 2.1, 2.2, 2.3 and 2.4. Unlike G-protein coupled KIR3 subunits, KIR2.1 requires both phosphorylation by PKA and ATP hydrolysis for functional activity. KIR2.1 is expressed in the superior and inferior collicula and the pontine region of the brain, where it moderates synaptic transmission, like many other potassium channels. In the placenta, KIR2.1 is expressed throughout gestation in cytotrophoblast cells. In the kidney, KIR2.1 colocalizes with KIR5.1 in the proximal tubule. KIR2.1, 2.2 and 2.3 associate with the membrane-associated guanylate kinase synapse-associated protein 97 in the cerebellum and heart. Phosphorylation of KIR2.2 by protein kinase A inhibits the associates with SAP97. Arachidonic acid increases current amplitude in KIR2.3 activity but does not affect the activity of KIR2.1, 2.2 or 2.4.

Swiss-Prot

P48050

Applications

Blocking

Specificity

This peptide can be used with studies using BS9176 KIR2.3 (E285) pAb.

Purification & Purity

Synthetic peptide KIR2.3 (E285). (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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