

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### Kv4.1 (N588) Peptide

Cat No.: BS9157P

#### Background

The KV gene family encodes more than 30 genes that comprise the subunits of the K<sup>+</sup> channels, and they vary in their gating and permeation properties, subcellular distribution and expression patterns. Functional KV channels assemble as tetramers consisting of pore-forming  $\alpha$ -subunits (KV $\alpha$ ), which include the KV1, KV2, KV3 and KV4 proteins, and accessory or KV $\beta$  subunits that modify the gating properties of the coexpressed KV $\alpha$  subunits. Differences exist in the patterns of trafficking, biosynthetic processing and surface expression of the major KV1 subunits (KV1.1, KV1.2 and KV1.4) expressed in rat and human brain, suggesting that the individual protein subunits are highly regulated to control for the assembly and formation of functional neuronal channels.

#### Swiss-Prot

Q9NSA2

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS9157 Kv4.1 (N588) pAb.

#### Purification & Purity

Synthetic peptide Kv4.1 (N588). (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.