

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



Na⁺ CP type IX α Peptide

Cat No.: BS5813P

Background

Voltage-gated sodium channels are selective ion channels that regulate the permeability of sodium ions in excitable cells. During the propagation of an action potential, sodium channels allow an influx of sodium ions, which rapidly depolarizes the cell. Na⁺ CP type IX α , also known as SCN9A (sodium channel protein type 9 subunit α), NENA, PN1, Nav1.7 or ETHA, is a 1,988 amino acid multi-pass membrane protein that belongs to the voltage-gated sodium channel family. Expressed in dorsal root ganglion, smooth muscle cells and in the central and peripheral nervous system, Na⁺ CP type IX α functions to mediate the voltage-dependent sodium ion permeability of membranes, specifically forming a sodium-selective ion channel through which sodium may pass. Via its ability to control the flow of sodium in and out of excitable membranes, Na⁺ CP type IX α plays an important role in the inflammatory pain response. Defects in the gene encoding Na⁺ CP type IX α are the cause of primary erythralgia, autosomal recessive congenital indifference to pain and paroxysmal extreme pain disorder (PEPD), all of which are genetic pain disorders.

Swiss-Prot

Q15858

Applications

Blocking

Specificity

This peptide can be used with studies using BS5813 Na⁺ CP type IX α pAb.

Purification & Purity

Synthetic peptide Na⁺ CP type IX α . (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.

Bioworld Technology, Inc.
1660 South Highway 100, Suite 500 St. Louis Park, MN
55416, USA. Email: info@bioworlde.com
Tel: 6123263284 Fax: 6122933841

Bioworld technology, co, Ltd.
No 9, weidi road Qixia District Nanjing, 210046,
P, R.China. Email: info@biogot.com
Tel: +86-025-68037686 Fax: +86-025-68035151