

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



NMDA ϵ 2 (S1468) Peptide

Cat No.: BS2434P

Background

NMDA receptors are a class of ionotropic glutamate receptors. NMDA receptor channel has been shown to be involved in long term potentiation, an activity dependent increase in the efficiency of synaptic transmission thought to underlie certain kinds of memory and learning. NMDA receptor channels are heteromers composed of the key receptor subunit NMDAR1 (GRIN1) and 1 or more of the 4 NMDAR2 subunits: NMDAR2A (GRIN2A), NMDAR2B (GRIN2B), NMDAR2C (GRIN2C), and NMDAR2D (GRIN2D). GRIN2B may be a candidate gene for the neurodegenerative disorder dentato-rubro-pallidolusian atrophy (DRPLA). Properties of NMDAR include modulation by glycine, inhibition by Zn²⁺, voltage dependent Mg²⁺ blockade and high Ca²⁺ permeability. The involvement of NMDAR in the CNS has become a focus area for neurodegenerative diseases such as Alzheimer's disease and also epilepsy and ischemic neuronal cell death.

Swiss-Prot

Q13224

Applications

Blocking

Specificity

This peptide can be used with studies using BS2434 NMDA ϵ 2 (S1468) pAb.

Purification & Purity

Synthetic peptide NMDA ϵ 2 (S1468). (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.

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