Bioworld Technology, Inc.

NMDAζ1 (F891) pAb

Cat No.: BS3664 Host: Rabbit Reactivity: Human,Mouse,Rat

BACKGROUND

Glutamate receptors mediate most excitatory neurotransmission in the brain and play an important role in neural plasticity, neural development and neurodegeneration. Ionotropic glutamate receptors are categorized into NMDA receptors and kainate/AMPA receptors, both of which contain glutamategated, cation-specific ion channels. Kainate/AMPA receptors are co-localized with NMDA receptors in many synapses and consist of seven structurally related subunits designated GluR-1 to -7. The kainate/AMPA receptors are primarily responsible for the fast excitatory neurotransmission by glutamate, whereas the NMDA receptors exhibit slow kinetsis of Ca2+ ions and a high permeability for Ca2+ ions. The NMDA receptors consist of five subunits: ε 1, 2, 3, 4 and one ζ subunit. The ζ subunit is expressed throughout the brainstem whereas the four ε subunits display limited distribution.

PRODUCT

1 mg/ml in Phosphate buffered saline (PBS) with 0.05

Molecular Weight

~105 kDa

PURIFICATION & PURITY

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

APPLICATIONS

WB: 1:500 ~ 1:1000

IHC: 1:50 ~ 1:200 (Recommended Dilutions)

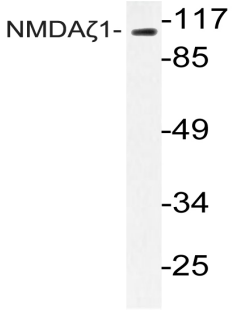
STORAGE & STABILITY

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

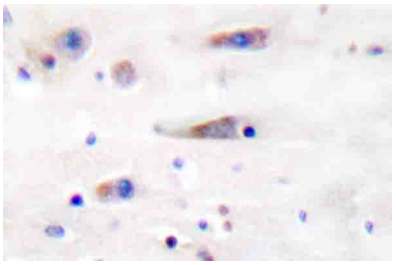
SPECIFICITY

NMDAζ1 (F891) pAb detects endogenous levels of NMDAζ1 protein.

DATA



Western blot (WB) analyzes of NMDAζ1 (F891) pAb in extracts from Jurkat cells.



Immunohistochemistry (IHC) analyzes of NMDAζ1 (F891) pAb in paraffin-embedded human breast carcinoma tissue.

RESEARCH USE

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

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