NMDAε4 (L693) polyclonal antibody

Catalog: BS3533 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 glutamate-gated, 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 neuro-transmission 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 epsilon subunits display limited distribution.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 170 kDa

Swiss-Prot:

O15399

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

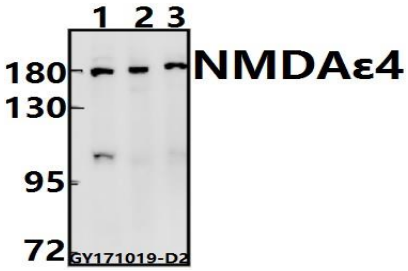
Storage&Stability:

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

Specificity:

NMDAε4 (L693) polyclonal antibody detects endogenous levels of NMDAε4 protein.

DATA:

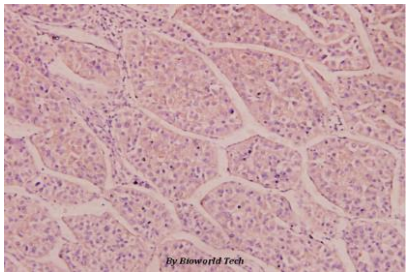


Western blot (WB) analysis of NMDAε4 (L693) pAb at 1:500 dilution

Lane1:CT26 whole cell lysate(40ug)

Lane2:C6 whole cell lysate(40ug)

Lane3:Hela whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of NMDAε4 (L693) pAb in paraffin-embedded human liver carcinoma tissue at 1:100.

Note:

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

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