

Glutamate receptor 1 polyclonal antibody

Catalog: BS90585

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 are functionally characterized by a slow kinetic and a high permeability for Ca²⁺ ions. The NMDA receptors consist of five subunits: epsilon 1, 2, 3, 4 and one zeta subunit. The zeta subunit is expressed throughout the brainstem whereas the four epsilon subunits display limited distribution.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

92 kDa

Swiss-Prot:

P42261(Human) P23818(Mouse) P19490(Rat)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:1,000-1:2,000

IHC:1:50-1:200

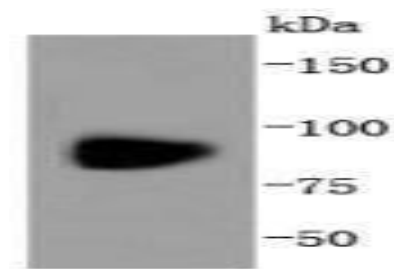
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

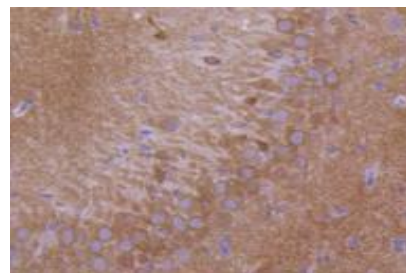
Specificity:

Glutamate receptor 1 polyclonal antibody detects endogenous levels of Glutamate receptor 1 protein.

DATA:



Western blot analysis of GluR1 on rat brain lysates using anti-GluR1 antibody at 1/1,000 dilution.



Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-GluR1 antibody. Counter stained with hematoxylin.

Note:

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

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