

## GluR1 (L844) polyclonal antibody

Catalog: BS3656

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 Ca<sup>2+</sup> ions.

### Product:

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

### Molecular Weight:

~ 102 kDa

### Swiss-Prot:

P42261

### 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

IF: 1:50~1:200

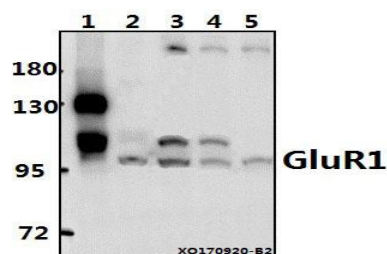
### Storage&Stability:

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

### Specificity:

GluR1 (L844) polyclonal antibody detects endogenous levels of GluR1 protein.

### DATA:



Western blot (WB) analysis of GluR1 (L844) pAb at 1:500 dilution

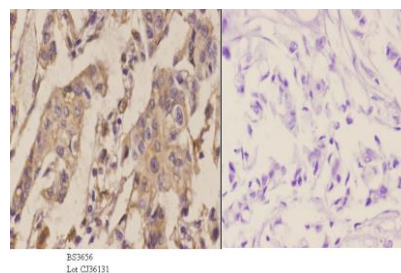
Lane1: The Brain tissue lysate of Mouse(40ug)

Lane2: C6 whole cell lysate(40ug)

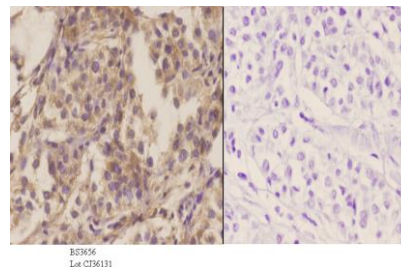
Lane3: HEK293T whole cell lysate(40ug)

Lane4: MCF-7 whole cell lysate(40ug)

Lane5: HeLa whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of GluR1 (L844) pAb in paraffin-embedded human breast carcinoma tissue at 1:50. showing cell membrane staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.



Immunohistochemistry (IHC) analyzes of GluR1 (L844) pAb in paraffin-embedded human liver carcinoma tissue at 1:50. showing cell membrane staining. Negative control (the right) Using PBS instead of primary

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## PRODUCT DATA SHEET

Bioworld Technology, Inc.

antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

**Note:**

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

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