bs-12100R **[Primary Antibody]**

NMDAR3A Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 116443 **SWISS:** O60391

Target: NMDAR3A

Immunogen: KLH conjugated synthetic peptide derived from human NMDAR3A/NR3A: 531-630/1115. < Extracellular >

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Glutamate receptors mediate most excitatory neurotransmission in the brain and play an important role in neural plasticity, neural development and neuro-degeneration. 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 co-localize 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 fast excitatory neurotransmission by glutamate, whereas the NMDA receptors exhibit slow kinesis of Ca2+ ions and a high permeability for Ca2+ ions. One such NMDA receptor, NR3B, is expressed in motor neurons and forms cation channels impermeable to calcium, which can resist many open-channel blockers. NR3B functions in the brain as an excitatory glycine receptor, modifying the normal role of glycine as an inhibitory neurotransmitter.

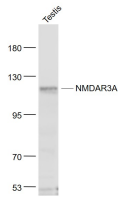
Applications: **WB** (1:500-2000)

Reactivity: Mouse (predicted: Human, Rat, Rabbit, Dog)

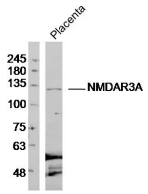
Predicted MW.: 123 kDa

Subcellular Location: Cell membrane ,Cytoplasm

VALIDATION IMAGES



Sample: Testis (Mouse) Lysate at 40 ug Primary: Anti- NMDAR3A (bs-12100R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 123 kD Observed band size: 123 kD



Sample:Placenta (Mouse)Lysate at 40 ug Primary: Anti-NMDAR3A(bs-12100R)at 1/300 dilution Secondary: IRDye800CW Goat Anti-RabbitIgG at 1/20000 dilution Predicted band size: 123kD Observed band size: 123kD

SELECTED CITATIONS

- **[IF=8.469]** Lei, Hanqi. et al. CRISPR screening identifies CDK12 as a conservative vulnerability of prostate cancer. Cell Death Dis. 2021 Jul;12(8):1-11 WB ;Human. 34315855
- **[IF=2.48]** Liao et al. N-Methyl-D-aspartate Receptor Excessive Activation Inhibited Fetal Rat Lung Development In Vivo and In Vitro. (2016) Biomed.Res.Int. 2016:5843981 WB ;Rat. 27478831