**bs-19289R** **[ Primary Antibody ]**

# phospho-NMDAR1 (Ser889) Rabbit pAb

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## DATASHEET

**Host:** Rabbit **Isotype:** IgG

**Clonality:** Polyclonal

**GeneID:** 2902 **SWISS:** Q05586

**Target:** NMDAR1 (Ser889)

**Immunogen:** KLH conjugated Synthesised phosphopeptide derived from human NMDAR1 around the phosphorylation site of Ser889: LA(p-S)SF.

**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:** The protein encoded by this gene is a critical subunit of N-methyl-D-aspartate receptors, members of the glutamate receptor channel superfamily which are heteromeric protein complexes with multiple subunits arranged to form a ligand-gated ion channel. These subunits play a key role in the plasticity of synapses, which is believed to underlie memory and learning. Cell-specific factors are thought to control expression of different isoforms, possibly contributing to the functional diversity of the subunits. Alternatively spliced transcript variants have been described. [provided by RefSeq, Jul 2008]

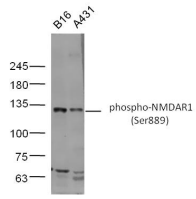
**Applications:** **WB** (1:500-2000)

**Reactivity:** Human, Mouse (predicted: Rat)

**Predicted MW.:** 105 kDa

**Subcellular Location:** Cell membrane

## VALIDATION IMAGES




Sample: B16(Mouse) Cell Lysate at 40 ug A431 Cell Lysate at 40 ug Primary: Anti- phospho-NMDAR1 (Ser889) (bs-19289R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 105 kD Observed band size: 130 kD

## SELECTED CITATIONS

- **[IF=5.5]** Md Sharyful Islam. et al. Inhibition of NMDA Receptor Activation in the Rostral Ventrolateral Medulla by Amyloid-β Peptide in Rats. BIOMOLECULES. 2023 Dec;13(12):1736 IHC ;Rat. 38136607