bs-1067R **[Primary Antibody]**

NMDAR2C Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 2905 **SWISS:** Q14957

Target: NMDAR2C

Immunogen: KLH conjugated synthetic peptide derived from human NMDAR2C: 601-700/1236. < 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: This gene encodes a subunit of the N-methyl-D-aspartate (NMDA) receptor, which is a subtype of ionotropic glutamate receptor. NMDA receptors are found in the central nervous system, are permeable to cations and have an important role in physiological processes such as learning, memory, and synaptic development. The receptor is a tetramer of different subunits (typically heterodimer of subunit 1 with one or more of subunits 2A-D), forming a channel that is permeable to calcium, potassium, and sodium, and whose properties are determined by subunit composition. Alterations in the subunit composition of the receptor are associated with pathophysiological conditions such as Parkinson's disease, Alzheimer's disease, depression, and schizophrenia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2013]

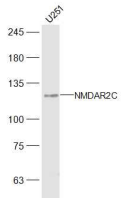
Applications: **WB** (1:500-2000)
Flow-Cyt (1ug/Test)

Reactivity: Human

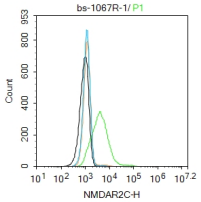
Predicted MW.: 132 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



Sample: U251(Human) Cell Lysate at 30 ug Primary: Anti-NMDAR2C (bs-1067R) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 132 kD Observed band size: 132 kD



Blank control:SH-SY5Y. Primary Antibody (green line): Rabbit Anti-NMDAR2C antibody (bs-1067R) Dilution: 1ug/Test; Secondary Antibody : Goat anti-rabbit IgG-FITC Dilution: 0.5ug/Test. Protocol The cells wereincubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.