

bsm-52950R**[Primary Antibody]**

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400-901-9800

NMDAR1 Recombinant Rabbit mAb**— DATASHEET —**

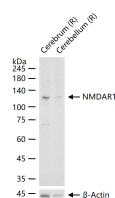
Host: Rabbit	Isotype: IgG
Clonality: Recombinant	CloneNo.: 13C4
GeneID: 2902	SWISS: Q05586
Target: NMDAR1	
Immunogen: A synthesized peptide derived from human GluN1: 850-900.	
Purification: affinity purified by Protein A	
Concentration: 1mg/ml	
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 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)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

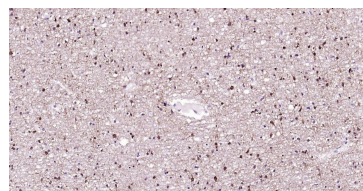
Reactivity: Human, Mouse, Rat

Predicted
MW.: 103 kDa

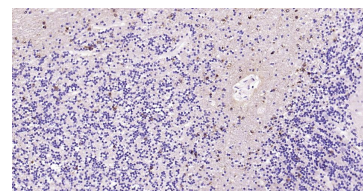
Subcellular
Location: Cell membrane

— VALIDATION IMAGES —

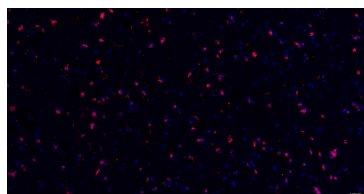
25 ug total protein per lane of various lysates (see on figure) probed with NMDAR1 monoclonal antibody, unconjugated (bsm-52950R) at 1:2000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



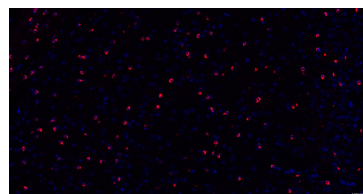
Paraformaldehyde-fixed, paraffin embedded Human Left Parietal Lobe; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with NMDAR1 Monoclonal Antibody, Unconjugated(bsm-52950R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023)and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Cerebellum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with NMDAR1 Monoclonal Antibody, Unconjugated(bsm-52950R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023)and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Left parietal lobe; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with NMDAR1 Monoclonal Antibody, Unconjugated (bsm-52950R) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (Red, bs-0295G-BF594), DAPI (blue,



Paraformaldehyde-fixed, paraffin embedded Mouse Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with NMDAR1 Monoclonal Antibody, Unconjugated (bsm-52950R) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (Red, bs-0295G-BF594), DAPI (blue, C02-04002) was used to stain the cell

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

C02-04002) was used to stain the cell nuclei. nuclei.