

## ARG51143 anti-NMDAR2B antibody

Package: 100 µl, 50 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes NMDAR2B
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NMDAR2B
Species	Human
Immunogen	Peptide sequence around aa.1472~1476 (H-V-Y-E-K) derived from Human NMDAR2B.
Conjugation	Un-conjugated
Alternate Names	MRD6; EIEE27; NR2B; hNR3; GluN2B; NR3; N-methyl D-aspartate receptor subtype 2B; Glutamate receptor ionotropic, NMDA 2B; Glutamate [NMDA] receptor subunit epsilon-2; N-methyl-D-aspartate receptor subunit 3; NMDAR2B

### Application Instructions

Application table	Application	Dilution
	ICC/IF	1:100 - 1:200
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

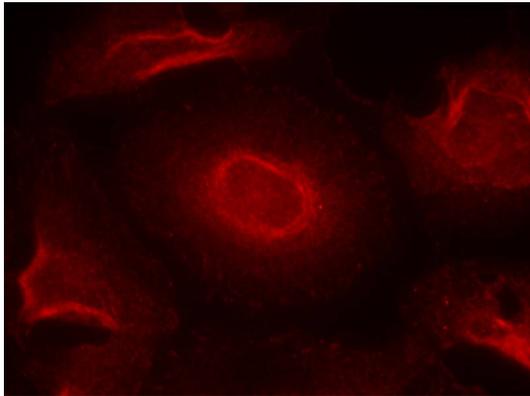
Form	Liquid
Purification	Antibodies were produced by immunizing rabbits with KLH-conjugated synthetic peptide. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Buffer	PBS (without Mg <sup>2+</sup> and Ca <sup>2+</sup> , pH 7.4), 150mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Gene Symbol	GRIN2B
Gene Full Name	glutamate receptor, ionotropic, N-methyl D-aspartate 2B
Background	NMDA receptor subtype of glutamate-gated ion channels with high calcium permeability and voltage-dependent sensitivity to magnesium. Mediated by glycine.
Function	NMDA receptor subtype of glutamate-gated ion channels with high calcium permeability and voltage-dependent sensitivity to magnesium. Mediated by glycine. In concert with DAPK1 at extrasynaptic sites, acts as a central mediator for stroke damage. Its phosphorylation at Ser-1303 by DAPK1 enhances synaptic NMDA receptor channel activity inducing injurious Ca <sup>2+</sup> influx through them, resulting in an irreversible neuronal death (By similarity). [UniProt]
Research Area	Neuroscience antibody; Postsynaptic Receptor antibody
Calculated Mw	166 kDa
PTM	Phosphorylation at Ser-1303 by DAPK1 enhances synaptic NMDA receptor channel activity.

## Images

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ARG51143 anti-NMDAR2B antibody ICC/IF image

Immunofluorescence: methanol-fixed HeLa cells stained with anti-NMDAR2B antibody ARG51143.