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PRODUCT DATASHEET

Anti-GluN2C/NR2C Antibody (BSA and Azide free)

NeuroMab KO Validated

Product Details

Available Variants	100 µL (SKU:75-411-CF)
Conjugate	Unconjugated
Isotype	IgG1
Clone	N422/18
Gene Name	Grin2c
Host Species	Mouse
Concentration	Lot dependent: provided at 0.6-1.0 mg/mL
Format	Purified by Protein A chromatography
Physical State	Liquid
Buffer	PBS
Production Notes	Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography and buffer exchanged into 1X PBS. Purified mAbs are >90% specific antibody.
Applications	ELISA, ICC, IHC, WB
Species Reactivity	Human, Mouse, Rat
Immunogen	Fusion protein amino acids 836-1233 (cytoplasmic C-terminus) of rat GluN2C (accession number Q00961) produced recombinantly in E. Coli
Specificity	No cross-reactivity reported
Molecular Weight	130 kDa
Quality Control	Each new lot of antibody is quality control tested by western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band.
Storage	Aliquot and store at ≤ -20°C for long term storage. For short term storage, store at 2-8°C. For maximum recovery of product, centrifuge the vial prior to

	removing the cap.
UniProt ID	Q00961 UniProt Summary: Component of N-methyl-D-aspartate (NMDA) receptors (NMDARs) that function as heterotetrameric, ligand-gated cation channels with high calcium permeability and voltage-dependent block by Mg(2+). Participates in synaptic plasticity for learning and memory formation by contributing to the slow phase of excitatory postsynaptic current and long-term synaptic potentiation. Channel activation requires binding of the neurotransmitter L-glutamate to the GluN2 subunit, glycine or D-serine binding to the GluN1 subunit, plus membrane depolarization to eliminate channel inhibition by Mg(2+). NMDARs mediate simultaneously the potassium efflux and the influx of calcium and sodium. Each GluN2 subunit confers differential attributes to channel properties, including activation, deactivation and desensitization kinetics, pH sensitivity, Ca2(+) permeability, and binding to allosteric modulators.
Country of Origin	United States
Shipping	Shipped on ice packs
Expiration	12 months from date of receipt
Usage Statement	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.
NCBI Gene ID	24411

Product Images



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Created on 22. November 2026 | All information without guarantee