

Anti-NMDAR [N416/40] Bulk Size Ab04354-23.0-BT

Variable region sequences were determined by Dr. James Trimmer at the University of California, Davis, as supported by National Institutes of Health BRAIN Initiative award U24 NS109113.

Isotype and Format: Rabbit IgG, Kappa

Clone Number: N416/40

Alternative Name(s) of Target: Glun3A/NR3A; GluN3A; Ionotropic glutamate receptor 3A; N-methyl-D-aspartate receptor subtype 3A; Glutamate receptor chi-1; NMDAR3A; NMDAR-L; NMDAR-L1; NR3A; Grin3A; KIAA1973; N416/40.1.2

UniProt Accession Number of Target Protein: A2AIR5

Published Application(s): IB, ICC, WB, IF, IHC

Published Species Reactivity: Rat, Mouse

Immunogen: The original antibody was generated by immunizing Balb/c mice with fusion protein amino acids 58-87 or 152-176 (extracellular N-terminus) of mouse GluN3A.

Specificity: This antibody is specific for subunit GluN3A of mouse NMDAR and cross-reacts with rat NMDAR.

Application Notes: This antibody can be used for IB, ICC, and IHC (RRID: AB_2877604). Independently, it was used for WB (Hotovec, 2023; DOI: 20.500.11956/184763).

Antibody First Published in: Hotovec. NMDA receptors outside CNS and their subunit composition Karlova University. 2023. [PMID:](#)

Note on publication: The original publication investigates the presence and subunit composition of N-Methyl-D-Aspartate receptors (NMDARs) outside the central nervous system, particularly in the gastrointestinal tract, using subunit-specific modulators and attempted immunolabeling with monoclonal antibodies.

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic

procedures for humans or animals.