

## Anti-NMDAR [N416/40] Standard Size Ab04354-2.0

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:** Mouse IgG2a, 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:** 100 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. 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.