

## Anti-NMDA Receptor [17] Standard Size Ab00900-1.1

This reformatted mouse antibody was made using the variable domain sequences of the original Mouse IgG format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Mouse IgG1, Kappa

**Clone Number:** 17

**Alternative Name(s) of Target:** NMDAR; NMDA-R; Glutamate receptor

**UniProt Accession Number of Target Protein:** Q00960

**Published Application(s):** crystallography

**Published Species Reactivity:** Rat

**Immunogen:** Monoclonal antibodies that bind rat GluN2B ATD were obtained by immunizing mice with the purified intact GluN1-GluN2B NMDA receptors. IgGs were purified from hybridoma cell culture supernatant by Protein-A Sepharose. Fab fragments have been prepared by papain proteolysis followed by re-chromatographing onto Protein-A Sepharose to remove Fc.

**Specificity:** Reacts specifically with rat GluN2B ATD.

**Application Notes:** This antibody has been used for the crystallisation of the NMDA receptor in the absence of an allosteric inhibitor at 2.9Å (Tajima 2016).

**Antibody First Published in:** Tajima et al. Activation of NMDA receptors and the mechanism of inhibition by ifenprodil Nature. 2016 May 2; 534(7605): 63–68 [PMID:27135925](#)

**Note on publication:** Describes the lack of high resolution structures representing the active state of the NMDA receptor.

## Product Form

**Size:** 200 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.