

Anti-NMDA Receptor [17] Standard Size Ab00900-8.1

This chimeric rat 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: Rat IgG2b, 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.