

## Anti-GluN2B/NR2B Glutamate Receptor Antibody

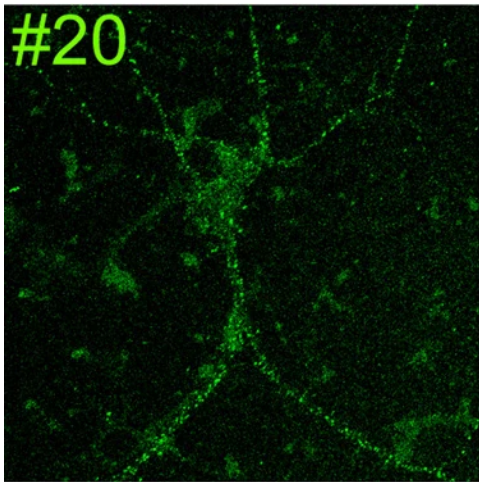


### Product Details

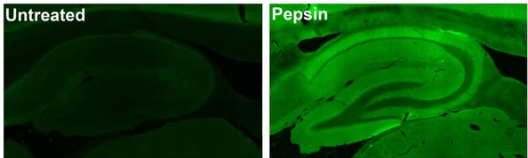
|                    |                                                                                                                                                         |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Available Variants | 100 µL (SKU:75-097)                                                                                                                                     |
| Conjugate          | Unconjugated                                                                                                                                            |
| Isotype            | IgG2a                                                                                                                                                   |
| Clone              | N59/20                                                                                                                                                  |
| Gene Name          | Grin2b                                                                                                                                                  |
| Host Species       | Mouse                                                                                                                                                   |
| Concentration      | 1 mg/mL                                                                                                                                                 |
| Format             | Purified by Protein A chromatography                                                                                                                    |
| Physical State     | Liquid                                                                                                                                                  |
| Buffer             | 10 mM Tris, 50 mM Sodium Chloride, 0.065% Sodium Azide pH 7.24                                                                                          |
| Production Notes   | Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography. Purified mAbs are >90% specific antibody.      |
| Applications       | ELISA, ICC, IHC, IP, WB                                                                                                                                 |
| Dilution Ranges    | WB: 1:500<br>IHC: 1:500                                                                                                                                 |
| Species Reactivity | Human, Mouse, Rat                                                                                                                                       |
| Immunogen          | Fusion protein amino acids 20-271 (extracellular N-terminus) of rat NR2B (accession number Q00960) produced recombinantly in E. Coli                    |
| Specificity        | Does not cross-react with GluN2A/NR2A                                                                                                                   |
| Molecular Weight   | 166 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. |

|                             |                                                                                                                                                                                                                 |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>              | Aliquot and store at $\leq -20^{\circ}\text{C}$ for long term storage. For short term storage, store at $2-8^{\circ}\text{C}$ . For maximum recovery of product, centrifuge the vial prior to removing the cap. |
| <b>Antibody Registry ID</b> | AB_10673405                                                                                                                                                                                                     |
| <b>UniProt ID</b>           | <u><a href="#">Q00960</a></u>                                                                                                                                                                                   |
| <b>Country of Origin</b>    | United States                                                                                                                                                                                                   |
| <b>Shipping</b>             | Shipped on ice packs                                                                                                                                                                                            |
| <b>Expiration</b>           | 24 months from date of receipt                                                                                                                                                                                  |
| <b>Usage Statement</b>      | These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.                                                                            |

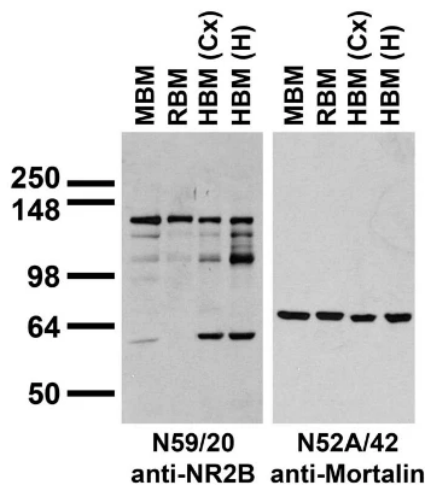
### Product Images



Cultured rat hippocampal neuron immunofluorescence. Image courtesy of Anthone Dunah (Harvard) and Morgan Sheng (MIT).



Adult rat hippocampus immunofluorescence under standard protocol (left) and with antigen retrieval via pepsin pretreatment (right).



Product Page URL: [www.antibodiesinc.com/products/anti-glun2b-nr2b-glutamate-receptor-antibody-n59-20-75-097](http://www.antibodiesinc.com/products/anti-glun2b-nr2b-glutamate-receptor-antibody-n59-20-75-097)



Created on 10. September 2026 | All information without guarantee