

# Anti-GluN1/NR1 Glutamate Receptor Recombinant Chicken Chimeric mAb



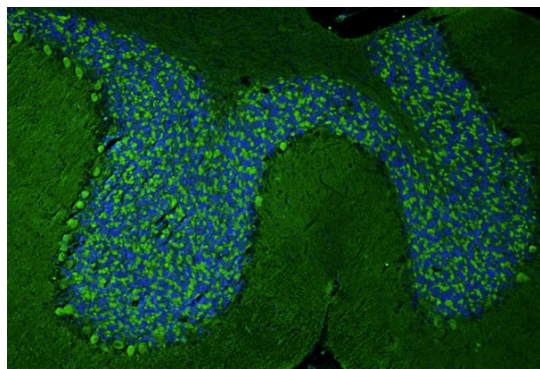
## Product Details

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Available Variants</b> | 100 µL (SKU:78-272)<br>20 µL (SKU:78-272-020)                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Conjugate</b>          | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Isotype</b>            | IgY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Clone</b>              | N308/48                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Gene Name</b>          | Grin1 Nmdar1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Host Species</b>       | Chicken                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Concentration</b>      | 1 mg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Format</b>             | Purified by affinity chromatography                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Physical State</b>     | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Buffer</b>             | 1X PBS, 0.05% Sodium Azide pH 7.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Production Notes</b>   | This recombinant antibody is a chimeric antibody created by replacing the mouse heavy and light constant regions of clone N308/48 with chicken IgY heavy and light constant regions. As such this antibody retains the same binding performance as the original clone N308/48 but can be detected using standard anti-chicken secondary antibodies allowing flexibility for multiplexing applications. This antibody is expressed recombinantly in mammalian cells and then affinity purified from the cell culture media. |
| <b>Applications</b>       | ELISA, ICC, IHC, WB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Dilution Ranges</b>    | WB: 1:500-1:1000<br>WB Brain: 1:500-1:1000<br>IHC: 1:500-1:1000<br>ICC: 1:250-1:500                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Species Reactivity</b> | Human, Mouse, Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

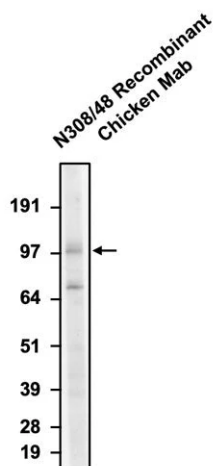
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|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Immunogen</b>         | Fusion protein amino acids 42-361 (extracellular N-terminus) of rat NR1 (accession number P35439) produced recombinantly in E. Coli                                                                             |
| <b>Specificity</b>       | No cross-reactivity reported                                                                                                                                                                                    |
| <b>Molecular Weight</b>  | 105 kDa                                                                                                                                                                                                         |
| <b>Quality Control</b>   | Each new lot of antibody is quality control tested by Western blot on rat brain membrane fraction 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>UniProt ID</b>        | <a href="#"><u>P35439-2</u></a>                                                                                                                                                                                 |
| <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.                                                                            |

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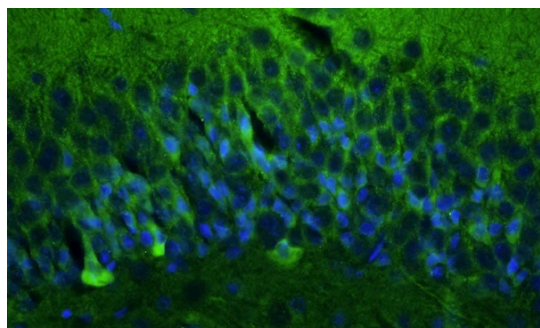
## Product Images



Representative section of formalin fixed, paraffin-embedded rat brain cerebellum showing cells stained by anti-GluN1/NR1 Glutamate Receptor recombinant chicken mAb (green, Cat No. 78-272) using goat anti-chicken IgY CF®488 secondary antibody (Cat No. 80-1001-488). The stained sections were mounted with Antibodies Incorporated's Fluoroshield with DAPI and DABCO mounting medium (Cat No. AR-6505). DAPI nuclear stain (blue) shows cell nuclei.



Western blotting of rat brain membrane with anti-GluN1/NR1 Glutamate Receptor recombinant chicken mAb (Cat No. 78-272). The chicken mAb was detected with anti-chicken-HRP (Cat No. 80-1000-HRP), and it recognizes endogenous NR1 in the rat brain membrane fraction at ~105 kDa.



Representative section of formalin fixed, paraffin-embedded rat brain hippocampal dentate gyrus region showing cells stained by anti-GluN1/NR1 Glutamate Receptor recombinant chicken mAb (green, Cat No. 78-272) using goat anti-chicken IgY CF®488 secondary antibody (Cat No. 80-1001-488). The stained sections were mounted with Antibodies Incorporated's Fluoroshield with DAPI and DABCO mounting medium (Cat No. AR-6505). DAPI nuclear stain (blue) shows cell nuclei.

Product Page URL: [www.antibodiesinc.com/products/anti-glun1-nr1-glutamate-receptor-recombinant-antibody-n308-48-78-272](http://www.antibodiesinc.com/products/anti-glun1-nr1-glutamate-receptor-recombinant-antibody-n308-48-78-272)



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