

Anti-GluN2B/NR2B Glutamate Receptor Recombinant Chicken Chimeric mAb

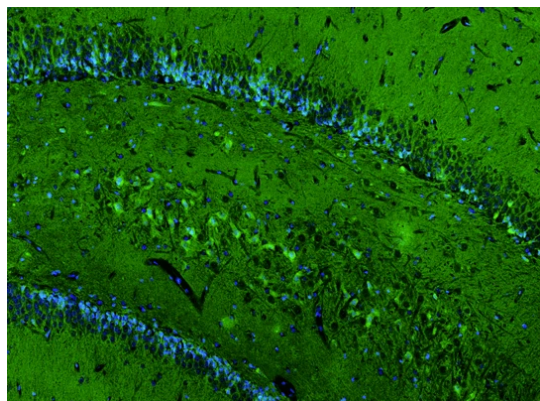


Product Details

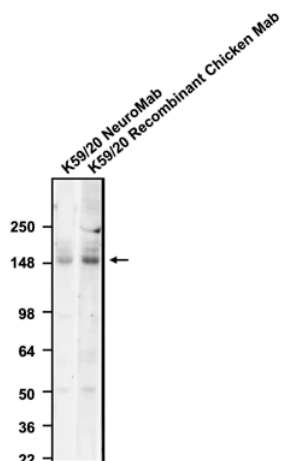
Available Variants	100 µL (SKU:78-097) 20 µL (SKU:78-097-020)
Conjugate	Unconjugated
Isotype	IgY
Clone	N59/20
Gene Name	Grin2b
Host Species	Chicken
Concentration	1 mg/mL
Format	Purified by affinity chromatography
Physical State	Liquid
Buffer	1X PBS, 0.05% Sodium Azide pH 7.4
Production Notes	This recombinant antibody is a chimeric antibody created by replacing the mouse heavy and light constant regions of clone N59/2 with chicken IgY heavy and light constant regions. As such this antibody retains the same binding performance as the original clone N59/2 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.
Applications	ELISA, ICC, IHC, IP, WB
Dilution Ranges	WB: 1:500 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.
Storage	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.
UniProt ID	<u>Q00960</u>
Country of Origin	United States
Shipping	Shipped on ice packs
Expiration	24 months from date of receipt
Usage Statement	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.

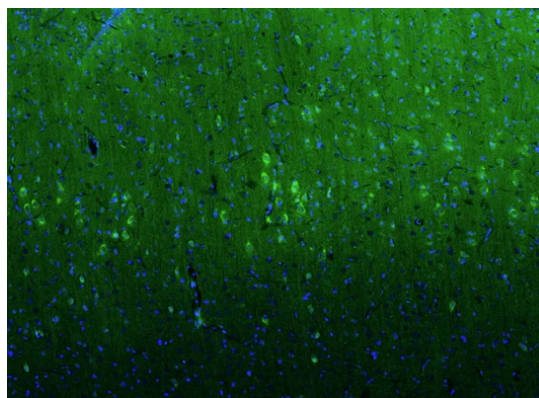
Product Images



Representative section of formalin fixed, paraffin-embedded rat brain hippocampus showing neurons in CA4 region stained by anti-GluN2B recombinant chicken monoclonal antibody (Cat. 78-097) using goat anti-chicken IgY CF®488 secondary antibody (Cat. 80-1001-488) (visualized in green). The stained sections were mounted with Antibodies Incorporated Fluoroshield with DAPI and DABCO mounting medium (Cat. AR-6505). DAPI nuclear stain (blue) shows cell nuclei.



Western blotting of rat brain membrane fraction with anti-GluN2B/NR2B glutamate receptor mouse mAb (Cat. 75-097) and Aves Labs anti-GluN2B/NR2B recombinant chicken mAb (Cat. 78-097) antibodies. The mouse mAb and chicken mAb were detected with anti-mouse-HRP and anti-chicken-HRP (Cat. 80-1000-HRP), respectively. Aves Labs Recombinant Chicken anti-GluN2B/NR2B mAb recognizes endogenous NR2B with similar sensitivity as the anti-GluN2B/NR2B mouse mAb in the rat brain membrane at ~166 kDa.



Representative section of formalin fixed, paraffin-embedded rat brain cerebral cortex stained by anti-GluN2B recombinant chicken monoclonal antibody using goat anti-chicken IgY CF®488 secondary antibody (Cat. 80-1001-488) (visualized in green). The stained sections were mounted with Antibodies Incorporated Fluoroshield with DAPI and DABCO mounting medium (Cat. AR-6505). DAPI nuclear stain (blue) shows cell nuclei. Anti-GluN2B specifically stains the neurons in layers II/III of the cerebral cortex.

Product Page URL: www.antibodiesinc.com/products/anti-gluN2b-nr2b-glutamate-receptor-recombinant-antibody-n59-20-78-097



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