

Anti-GluN1/NR1 Glutamate Receptor Antibody

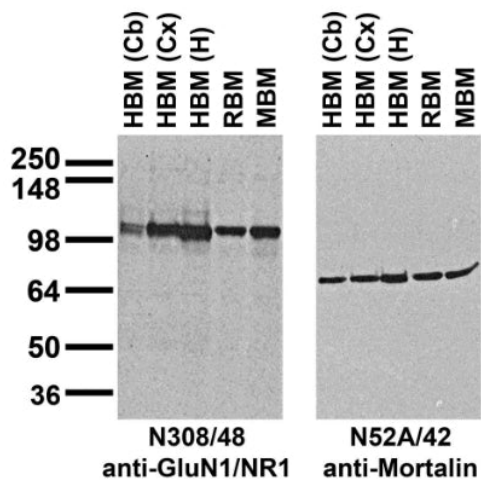


Product Details

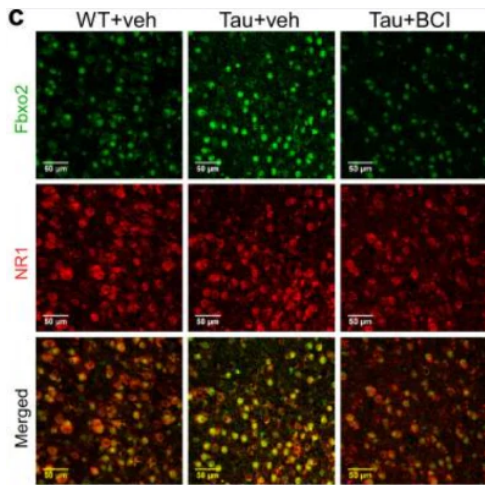
Available Variants	100 µL (SKU:75-272) 20 µL (SKU:75-272-020)
Conjugate	Unconjugated
Isotype	IgG1
Clone	N308/48
Gene Name	Grin1 Nmdar1
Host Species	Mouse
Concentration	1 mg/mL
Format	Purified by Protein A chromatography
Physical State	Liquid
Buffer	10 mM Tris, 50 mM Sodium Chloride, 0.065% Sodium Azide pH 7.125
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, WB
Dilution Ranges	WB: 1:500 IHC: 1:500 ICC: 1:250
Species Reactivity	Human, Mouse, Rat
Immunogen	Fusion protein amino acids 42-361 (extracellular N-terminus) of rat NR1 (accession number P35439) produced recombinantly in E. Coli
Specificity	No cross-reactivity reported
Molecular Weight	105 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.
Antibody Registry ID	AB_11000180
UniProt ID	P35439-2
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

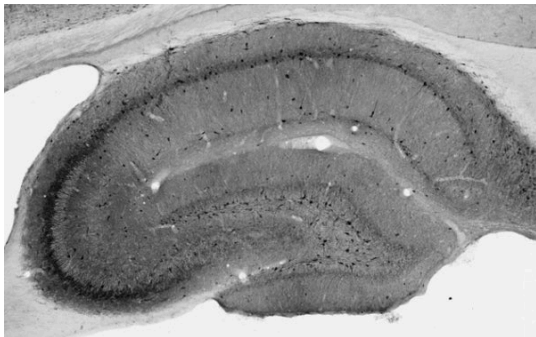


Immunoblot against crude membrane fractions from whole mouse (MBM) or rat (RBM) brain and from human cerebellum [HBM(Cb)], cerebral cortex [HBM(Cx)] or hippocampus [HBM(H)] and probed with N308/48 (left) or N52A/42 (right) TC supe.



Representative fluorescence images of Fbxo2 (green) and NR1 (red; cat. 75-272, 1:500) fluorescence intensity in PFC slices from WT or Tau mice treated with Smyd3 inhibitor BCI121 or vehicle. Image from publication CC-BY-4.0.

[PMID:36609445](https://pubmed.ncbi.nlm.nih.gov/36609445/)



Adult rat hippocampus immunohistochemistry.

Product Page URL: www.antibodiesinc.com/products/anti-glun1-nr1-glutamate-receptor-antibody-n308-48-75-272



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