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Product datasheet for 75-101

Grin2b Mouse Monoclonal Antibody [Clone ID: N59/36]

Product data:

Product Type:	Primary Antibodies
Clone Name:	N59/36
Applications:	IF, IHC, IP, WB
Recommend Dilution:	**Immunoblot (IB)** **Immunohistochemistry (IHC)** **Immunoprecipitation (IP).** **Immunocytochemistry (ICC).**
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Fusion protein amino acids 20-271 (extracellular N-terminus) of rat GluN2B/NR2B (also known as Glutamate/N-methyl D-aspartate/NMDA receptor subtype 2B or subunit epsilon 2, N-methyl-Daspartate receptor subunit 3, NMDAR2B, NR3 and Grin2b, accession number Q00960). Mouse: 99% identity (250/252 amino acids identical). Human: 99% identity (250/252 amino acids identical). <50% identity with GluN2A/NR2A, GluN2C/NR2C and GluN2D/NR2D.
Specificity:	Does not cross-react with GluN2A/NR2A, GluN2C/NR2C or GluN2D/NR2D (based on KO validation results)
Formulation:	State: Purified
Gene Name:	glutamate ionotropic receptor NMDA type subunit 2B
Database Link:	Entrez Gene 24410 Rat
Synonyms:	GRIN2B, NMDA Receptor 2B

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Note: USERS will cite the UC Davis/NIH NeuroMab Facility in any publication(s) describing the research utilizing the MATERIALS. The suggested acknowledgment statement is as follows: "The monoclonal antibody _ was developed by and/or obtained from the UC Davis/NIH NeuroMab Facility, supported by NIH grant U24NS050606 and maintained by the Department of Neurobiology, Physiology and Behavior, College of Biological Sciences, University of California, Davis, CA 95616."
Also, please include the complete clone number (e.g., N52A/42) and the Antibody Registry identification number (e.g., RRID:AB_2120479) to avoid ambiguity.
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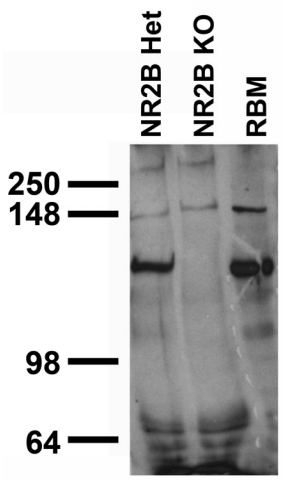
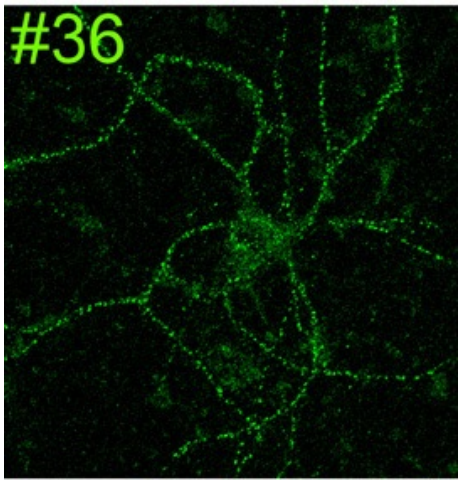
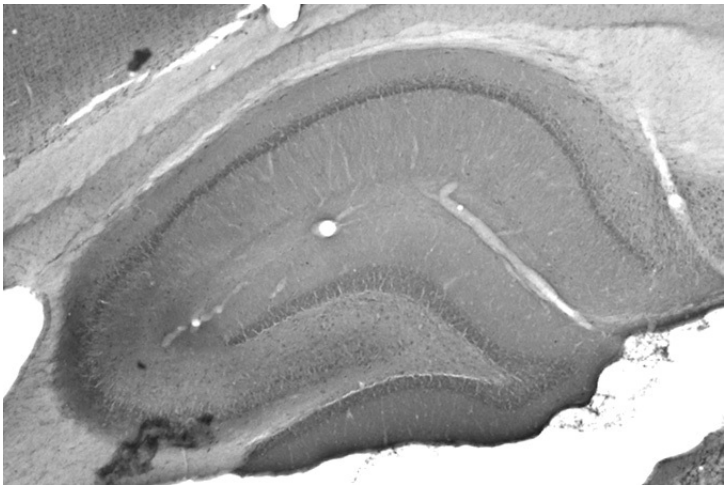
Product images:



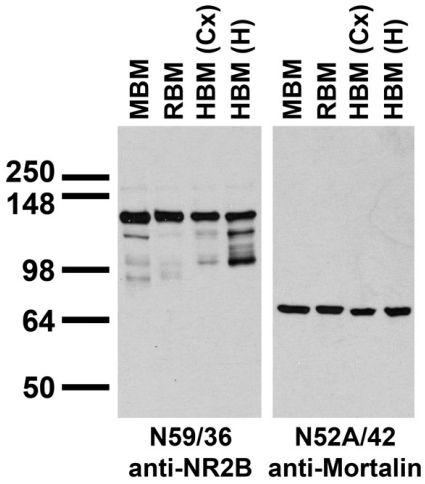
Immunoblot against rat brain membranes (RBM) and neuronal lysates from NR2B knockout (KO) and heterozygote (Het) mice. Samples courtesy of Ben Hall and Anirvan Ghosh (UCSD).



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



Adult rat hippocampus immunohistochemistry



Immunoblots on brain membranes prepared from whole rat (RBM) and mouse (MBM) brain, and from human cerebral cortex [HBM(Cx)] and hippocampus [HBM(H)].