

Product Datasheet

NMDAR2B Antibody NB100-41097

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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NB100-41097**NMDAR2B Antibody**

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA
Product Description	
Host	Goat
Gene ID	2904
Gene Symbol	GRIN2B
Species	Human, Rat
Immunogen	Peptide with sequence C-KDAHEKDDFHLS corresponding to internal region according to NP_000825.1.
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Peptide ELISA
Recommended Dilutions	Western Blot 2 - 4 ug/ml, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 10 ug/ml, Immunohistochemistry-Frozen, Peptide ELISA Detection limit 1:16000
Application Notes	WB: Approx. 170 kDa band observed in rat brain lysates (calculated MW of 166 kDa band according to NP_000825.1). Use in Immunohistochemistry-Frozen reported in scientific literature (PMID 28206989).



Images

Western Blot: NMDAR2B Antibody [NB100-41097] - (2ug/ml) staining of Rat Brain lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

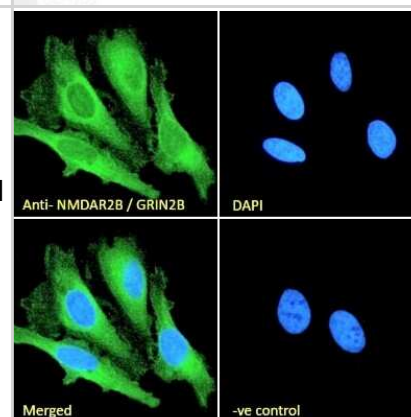
250kDa
150kDa
100kDa
75kDa
50kDa
37kDa

25kDa
20kDa

15kDa

10kDa

Immunocytochemistry/Immunofluorescence: NMDAR2B Antibody [NB100-41097] - Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoskeleton and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



Publications

Nicola Forte, Serena Boccella, Lea Tunisi, Alba Clara Fernández-Rilo, Roberta Imperatore, Fabio Arturo Iannotti, Maria De Risi, Monica Iannotta, Fabiana Piscitelli, Raffaele Capasso, Paolo De Girolamo, Elvira De Leonibus, Sabatino Maione, Vincenzo Di Marzo, Luigia Cristino Orexin-A and endocannabinoids are involved in obesity-associated alteration of hippocampal neurogenesis, plasticity, and episodic memory in mice *Nature Communications* 2021-10-21 [PMID: 34675233]

Proud EK Examining the Emergence of Mood and Anxiety Molecular Phenotypes Resulting from Chronic Prenatal Nicotine Exposure in Cerebral Organoids Thesis 2023-01-01 (ICC/IF, Human)

Yi H, Iida T, Liu S et al. IL-4 mediated by HSV vector suppresses morphine withdrawal response and decreases TNF α , NR2B, and pC/EBP β in the periaqueductal gray in rats. *Gene Ther.* 2017-03-16 [PMID: 28206989] (IHC-Fr, Rat)

Arning L, Kraus PH, Valentin S et al. NR2A and NR2B receptor gene variations modify age at onset in Huntington disease. *Neurogenetics* 2005-02-01 [PMID: 15742215]



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Products Related to NB100-41097

HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control
H00002904-Q01-10ug	Recombinant Human NMDAR2B GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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