NMDA 2b Receptor (NR2B) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NMDA 2b Receptor (NR2B), Polyclonal Antibody
Full Product Name	NMDA 2b Receptor, Phosphorylated (Tyr1472) (NMDA R2b, N-methyl-D-aspartate, GRIN2B, Glutamate receptor ionotropic N-methyl D-aspartate 2B, HGNC:4586, NR2B, hNR3, N-methyl-D-aspartate receptor subunit 2B) (MaxLight 405)
Product Gene Name	anti-NR2B antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Rat, Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservatives added. Labeled with MaxLight405.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Reacts with rat NMDA NR2B when it is phosphorylated at Tyr1472. On Western blots, it identifies a band at ~180 kD. In Western blots on rat brain two additional bands may be seen at ~115 and ~65 kD. Reactivity has been confirmed with rat brain homogenates. The labeling of the NR2B protein is blocked by the phosphopeptide but not by the dephosphopeptide. Based on 100% amino acid identity with mouse and human, crossreactivity is expected with mouse and human phospho-NMDA NR2B Tyr1472 proteins.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Immunogen	Synthetic phosphopeptide corresponding to amino acid residues surrounding the phosphorylated Tyr1472 of rat NMDA receptor, NR2B subunit.
Conjugate	MaxLight405
Antigen Modification	Phosphorylated
Note	Preservative Free
Product Categories/Family for anti-NR2B antibody	Antibodies; Ion Channel
Applications Tested/Suitable for anti-NR2B antibody	Western Blot (WB)
Application Notes for anti-NR2B antibody	WB: 1:1000 Applications are based on unconjugated antibody.
Related Product Information for anti-NR2B antibody	MBS6490170 is an antibody targeting NR2B. Also known as NMDA 2b Receptor, Phosphorylated (Tyr1472) (NMDA R2b, N-methyl-D-aspartate, GRIN2B, Glutamate receptor ionotropic N-methyl D-aspartate 2B, HGNC:4586, NR2B, hNR3, N-methyl-D-aspartate receptor subunit 2B) (MaxLight 405). Reactive in Rat, Human, Mouse. Host: Rabbit.
Product References and Citations for anti-NR2B antibody	1. Loftis JM and Janowsky A. Pharmacol Ther 97(1):55-85, 2003. 2. Marino MJ, et al. Drugs Aging 20(5):377-397, 2003. 3. Li L, et al. Neurobiol Aging 24(8):1113-1121, 2003.
Other Notes	Small volumes of anti-NR2B antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

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Online datasheet: https://www.mybiosource.com/polyclonal-nr2b-human-mouse-rat-antibody/nmda-2b-receptor/6490170