

# Resource Summary Report

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## Rabbit Anti-NMDAR1 XP??? Monoclonal Antibody, Unconjugated, Clone D65B7

RRID:AB\_1904067

Type: Antibody

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### Proper Citation

(Cell Signaling Technology Cat# 5704, RRID:AB\_1904067)

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### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_1904067](http://antibodyregistry.org/AB_1904067)

**Proper Citation:** (Cell Signaling Technology Cat# 5704, RRID:AB\_1904067)

**Target Antigen:** NMDAR1

**Host Organism:** rabbit

**Clonality:** monoclonal

**Comments:** Applications: W, IP

**Antibody Name:** Rabbit Anti-NMDAR1 XP??? Monoclonal Antibody, Unconjugated, Clone D65B7

**Description:** This monoclonal targets NMDAR1

**Target Organism:** human, mouse, rat

**Clone ID:** Clone D65B7

**Antibody ID:** AB\_1904067

**Vendor:** Cell Signaling Technology

**Catalog Number:** 5704

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### Ratings and Alerts

No rating or validation information has been found for Rabbit Anti-NMDAR1 XP??? Monoclonal Antibody, Unconjugated, Clone D65B7.

No alerts have been found for Rabbit Anti-NMDAR1 XP??? Monoclonal Antibody, Unconjugated, Clone D65B7.

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## Data and Source Information

**Source:** [Antibody Registry](#)

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## Usage and Citation Metrics

We found 19 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [FDI Lab - SciCrunch.org](#).

Su M, et al. (2024) Synaptic adhesion molecule protocadherin-?C5 mediates ?-amyloid-induced neuronal hyperactivity and cognitive deficits in Alzheimer's disease. Journal of neurochemistry.

Zaric Kontic M, et al. (2023) Prolonged Alprazolam Treatment Alters Components of Glutamatergic Neurotransmission in the Hippocampus of Male Wistar Rats-The Neuroadaptive Changes following Long-Term Benzodiazepine (Mis)Use. Pharmaceuticals (Basel, Switzerland), 16(3).

Wang J, et al. (2023) Increased NMDARs in neurons and glutamine synthetase in astrocytes underlying autistic-like behaviors of Gabrb1-/- mice. iScience, 26(8), 107476.

Farsi Z, et al. (2023) Brain-region-specific changes in neurons and glia and dysregulation of dopamine signaling in Grin2a mutant mice. Neuron, 111(21), 3378.

Gerace E, et al. (2023) Ethanol-induced AMPA alterations are mediated by mGlu5 receptors through miRNA upregulation in hippocampal slices. European journal of pharmacology, 955, 175878.

Zeljko Jovanovic M, et al. (2023) Intermittent Theta Burst Stimulation Improves Motor and Behavioral Dysfunction through Modulation of NMDA Receptor Subunit Composition in Experimental Model of Parkinson's Disease. Cells, 12(11).

Lorenz-Guertin JM, et al. (2023) Inhibitory and excitatory synaptic neuroadaptations in the diazepam tolerant brain. Neurobiology of disease, 185, 106248.

Zheng R, et al. (2022) KIF2C regulates synaptic plasticity and cognition in mice through dynamic microtubule depolymerization. eLife, 11.

Mottarlini F, et al. (2022) Cortical reorganization of the glutamate synapse in the activity-

based anorexia rat model: Impact on cognition. *Journal of neurochemistry*, 161(4), 350.

Zong P, et al. (2022) Functional coupling of TRPM2 and extrasynaptic NMDARs exacerbates excitotoxicity in ischemic brain injury. *Neuron*, 110(12), 1944.

Nuwer JL, et al. (2021) Sustained treatment with an  $\alpha 5$  GABA A receptor negative allosteric modulator delays excitatory circuit development while maintaining GABAergic neurotransmission. *Neuropharmacology*, 197, 108724.

Ve H, et al. (2020) Quantitative Immunoblotting Analyses Reveal that the Abundance of Actin, Tubulin, Synaptophysin and EEA1 Proteins is Altered in the Brains of Aged Mice. *Neuroscience*, 442, 100.

Sears SMS, et al. (2019) Decreased epileptogenesis in mice lacking the System xc<sup>-</sup> transporter occurs in association with a reduction in AMPA receptor subunit GluA1. *Epilepsia* open, 4(1), 133.

Zhang Z, et al. (2019) The Schizophrenia Susceptibility Gene OPCML Regulates Spine Maturation and Cognitive Behaviors through Eph-Cofilin Signaling. *Cell reports*, 29(1), 49.

Yajima H, et al. (2018) Early-life stress induces cognitive disorder in middle-aged mice. *Neurobiology of aging*, 64, 139.

Kokubo M, et al. (2018) Early-life stress induces motor coordination dysfunction in adult mice. *The journal of physiological sciences : JPS*, 68(5), 663.

Ibi M, et al. (2017) Depressive-Like Behaviors Are Regulated by NOX1/NADPH Oxidase by Redox Modification of NMDA Receptor 1. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 37(15), 4200.

Toya S, et al. (2014) Early-life-stress affects the homeostasis of glutamatergic synapses. *The European journal of neuroscience*, 40(11), 3627.

Yamamori S, et al. (2011) Differential expression of SNAP-25 family proteins in the mouse brain. *The Journal of comparative neurology*, 519(5), 916.