

Resource Summary Report

Generated by [NIF](#) on Aug 10, 2026

NeuN (D4G4O) XP(R) Rabbit mAb #24307

RRID:AB_2651140

Type: Antibody

Proper Citation

(Cell Signaling Technology Cat# 24307, RRID:AB_2651140)

Antibody Information

URL: http://antibodyregistry.org/AB_2651140

Proper Citation: (Cell Signaling Technology Cat# 24307, RRID:AB_2651140)

Target Antigen: NeuN

Host Organism: rabbit

Clonality: monoclonal

Comments: Applications: W, IHC-P, IF-F

Antibody Name: NeuN (D4G4O) XP(R) Rabbit mAb #24307

Description: This monoclonal targets NeuN

Clone ID: D4G4O

Antibody ID: AB_2651140

Vendor: Cell Signaling Technology

Catalog Number: 24307

Alternative Catalog Numbers: 24307S

Record Creation Time: 20260218T231545+0000

Record Last Update: 20260529T050004+0000

Ratings and Alerts

No rating or validation information has been found for NeuN (D4G4O) XP(R) Rabbit mAb #24307.

No alerts have been found for NeuN (D4G4O) XP(R) Rabbit mAb #24307.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 86 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Zhang X, et al. (2026) Synapses and dendritic spines are eliminated in the primary visual cortex of mice subjected to chronic intraocular pressure elevation. *Neural regeneration research*, 21(3), 1236.

Øhlenschläger MS, et al. (2026) Multi-omic analysis of guided and unguided forebrain organoids reveals differences in cellular composition and metabolic profiles. *Cell reports methods*, 6(2), 101295.

Zhu X, et al. (2026) Generating LGE/CGE Organoids from Human Pluripotent Stem Cell-derived Brain Organoids Without External Signal Induction. *Cell reports*, 45(1), 116780.

Luo H, et al. (2026) Low-density lipoprotein receptor-related protein 1 mediates α -synuclein transmission from the striatum to the substantia nigra in animal models of Parkinson's disease. *Neural regeneration research*, 21(4), 1595.

Somasundaram P, et al. (2026) Coordinated stimulation of axon regenerative and neurodegenerative transcriptional programs by ATF4 following optic nerve injury. *eLife*, 12.

Lorenz SM, et al. (2026) A fin-loop-like structure in GPX4 underlies neuroprotection from ferroptosis. *Cell*, 189(1), 287.

Boyle BR, et al. (2026) Protocol for inducing focal striatal stroke in mice using photothrombosis. *STAR protocols*, 7(2), 104487.

Guo P, et al. (2026) An improved method for high-purity isolation of oligodendrocytes from neonatal and adult mouse brain. *iScience*, 29(5), 115841.

Mosti F, et al. (2026) Species-specific chromatin architecture and neurogenesis mediated by a human enhancer. *Cell stem cell*, 33(4), 695.

Sun Y, et al. (2026) Early HMGB1 Inhibition Reduces Hippocampal Injury During Adolescence in a Young Mouse Model of Radiation-Induced Brain Injury. *Cellular and molecular neurobiology*, 46(1).

Yao T, et al. (2026) Hypothalamic malate dehydrogenase 2 modulates systemic glucose metabolism through oxytocin-mediated thermogenesis. *Cell reports. Medicine*, 7(2), 102616.

Huang H, et al. (2026) Neuronal Cholesterol Deficiency Mediated by Astrocytic SREBP2 Downregulation Leads to Postoperative Cognitive Dysfunction Through Impairment of Hippocampal Synaptic Plasticity and Excitatory Synaptic Transmission. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(23), e19874.

Fan Q, et al. (2026) Endothelial IRE1 signaling maintains blood-brain barrier integrity and limits neuroinflammation after traumatic brain injury. *Cell death & disease*, 17(1), 210.

Gudenas BL, et al. (2026) A tumor-associated photoreceptor signature unifies distinct central nervous system malignancies. *Cancer cell*, 44(4), 831.

Zhao W, et al. (2026) Neuronal Igfbp2 deficiency in the prefrontal cortex impairs cognition through synaptic dysfunction in male mice. *iScience*, 29(5), 115629.

Yao H, et al. (2026) Piriform cortex gates learned fear through a brain-spleen neuroimmune axis. *Neuron*.

Shiers S, et al. (2026) NaV1.7 mRNA and Protein Expression in Resident Neurons of the Human Spinal Dorsal Horn. *The Journal of comparative neurology*, 534(5), e70168.

Can M, et al. (2026) Intrathecal delivery of AAVrh10-mHexa combined with anti-inflammatory treatment reduces neuropathological markers and extends the lifespan of mice with early-onset Tay-Sachs disease. *Metabolic brain disease*, 41(1).

Liu H, et al. (2026) C9orf72 hexanucleotide repeat RNA drives transcriptional dysregulation through genome-wide DNA:RNA hybrid G-quadruplexes. *Neuron*, 114(6), 1045.

Copley KE, et al. (2026) Short RNA chaperones promote aggregation-resistant TDP-43 conformers to mitigate neurodegeneration. *Science (New York, N.Y.)*, 392(6798), eadv3301.