

Resource Summary Report

Generated by [NIF](#) on Aug 27, 2026

Anti-Neurofilament 200 antibody produced in rabbit

RRID:AB_477272

Type: Antibody

Proper Citation

Sigma-Aldrich Cat# N4142, RRID:AB_477272

Antibody Information

URL: http://antibodyregistry.org/AB_477272

Proper Citation: Sigma-Aldrich Cat# N4142, RRID:AB_477272

Target Antigen: Neurofilament 200 antibody produced in rabbit

Host Organism: rabbit

Clonality: polyclonal

Comments: Vendor recommendations: immunohistochemistry (formalin-fixed, paraffin-embedded sections): 1:80; Immunohistochemistry; Other; Western Blot

Antibody Name: Anti-Neurofilament 200 antibody produced in rabbit

Description: This polyclonal targets Neurofilament 200 antibody produced in rabbit

Target Organism: bovine, wide range

Defining Citation: [PMID:22740069](#), [PMID:23436344](#), [PMID:19937712](#), [PMID:21280040](#), [PMID:20394048](#), [PMID:18022951](#)

Antibody ID: AB_477272

Vendor: Sigma-Aldrich

Catalog Number: N4142

Record Creation Time: 20250820T053445+0000

Record Last Update: 20250820T215447+0000

Ratings and Alerts

No rating or validation information has been found for Anti-Neurofilament 200 antibody produced in rabbit.

No alerts have been found for Anti-Neurofilament 200 antibody produced in rabbit.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 138 mentions in open access literature.

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

Cao T, et al. (2026) Astrocyte-microglia crosstalk via CSF1 and IFN- γ promotes central nervous system repair. *Cell reports*, 45(6), 117418.

Wang Q, et al. (2026) Peripheral somatostatin-expressing neurons are analgesic targets for refractory occipital neuralgia. *Acta pharmacologica Sinica*.

Ezquerro-Herce S, et al. (2026) Cannabinoid CB1 receptors drive oligodendrocyte maturation during myelin regeneration. *Cell communication and signaling : CCS*, 24(1).

Gurram V, et al. (2026) Synaptic alterations are preceding the axonal loss in optic atrophy of Wolfram syndrome mouse model. *Frontiers in neuroscience*, 20, 1838257.

Dolci S, et al. (2026) Tumor-associated macrophages enhance peripheral nerve tumor infiltration and spinal cord repair. *Immunity*, 59(2), 438.

Ding C, et al. (2026) Glioblastoma-Secreted C1QL1 Orchestrates Tumor Microtube Expansion and Neural Synaptic Pruning to Drive Malignant Synapse Formation and Recurrence. *Cancer discovery*, 16(6), 1176.

Nemati S, et al. (2026) Therapeutic reactivation of hippocampal progenitors reverse cognition decline in mice with progressive brain demyelination. *Stem cell reports*, 21(5), 102896.

Chang CY, et al. (2026) Cryopreservable dopaminergic progenitors derived from human iPSCs with accelerated loss of pluripotency and early functional restoration in Parkinsonian rats. *NPJ Parkinson's disease*, 12(1).

Lezgiyeva K, et al. (2026) Fast-conducting mechanonociceptors uniquely engage reflexive and affective pain circuitry to drive protective responses. *Neuron*.

Song Y, et al. (2026) A glycolytic shunt via the pentose phosphate pathway is a metabolic checkpoint for nervous system sensory homeostasis and axonal regeneration. *Cell*.

Koike T, et al. (2025) Morphological Characterization of Glial Cells Surrounding Cajal's Initial Glomerulus of the Dorsal Root Ganglion Neurons Revealed Myelinating Schwann

Cell Production. *Glia*, 73(9), 1883.

Belyaeva A, et al. (2025) Generation of iPSCs line from patient with Singleton-Merten syndrome. *Human cell*, 38(3), 71.

Franck MCM, et al. (2025) Spinal lumbar Urocortin 3-expressing neurons are associated with both scratching and Compound 48/80-induced sensations. *Pain*, 166(5), 1070.

Faraguna S, et al. (2025) Protocol to isolate dorsal root ganglion neurons from embryonic rats by immunopanning and characterize them using RNAscope and immunofluorescence. *STAR protocols*, 6(2), 103836.

Lezgiyeva K, et al. (2025) Fast-conducting mechanonociceptors uniquely engage reflexive and affective pain circuitry to drive protective responses. *bioRxiv : the preprint server for biology*.

Obenaus A, et al. (2025) Progressive lifespan modifications in the corpus callosum following a single concussion in juvenile male mice monitored by diffusion MRI. *Experimental neurology*, 394, 115455.

Su X, et al. (2025) Identification of VGLUT3-expressing LTMRs-recruited spinal circuits for itch inhibition. *Molecular brain*, 18(1), 74.

Cong M, et al. (2025) miRNA-21-5p is an important contributor to the promotion of injured peripheral nerve regeneration using hypoxia-pretreated bone marrow-derived neural crest cells. *Neural regeneration research*, 20(1), 277.

Santiago C, et al. (2025) Activity-dependent development of the body's touch receptors. *Neuron*, 113(11), 1758.

Jablonka-Shariff A, et al. (2025) Absence of T-box transcription factor 21 limits neuromuscular junction recovery after nerve injury in T-bet-knockout mice. *Frontiers in cell and developmental biology*, 13, 1535323.