

Resource Summary Report

Generated by [RRID](#) on Sep 10, 2026

Rabbit Anti-Bovine Neurofilament 200 Antibody, Unconjugated

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

Host Organism: rabbit

Clonality: unknown

Comments: Vendor recommendations: Immunohistochemistry; Western Blot; Immunohistochemistry (Paraffin sections), Western Blot

Antibody Name: Rabbit Anti-Bovine Neurofilament 200 Antibody, Unconjugated

Description: This unknown targets Neurofilament 200

Target Organism: other, feline, chickenavian, rat, hamster, simian, xenopus, donkey, porcine, canine, goat, yeast, horse, mouse, drosophila, rabbit, bovine, human, sheep

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: 20231110T044409+0000

Record Last Update: 20260829T170504+0000

Ratings and Alerts

No rating or validation information has been found for Rabbit Anti-Bovine Neurofilament 200 Antibody, Unconjugated.

No alerts have been found for Rabbit Anti-Bovine Neurofilament 200 Antibody, Unconjugated.

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 [RRID](#) .

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.