

Resource Summary Report

Generated by [NIF](#) on Jul 31, 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: 20250820T002035+0000

Record Last Update: 20250820T080100+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 129 mentions in open access literature.

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

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.

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.

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.

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*.

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

Wang H, et al. (2025) Changes in sensory and motor neurons populations following LPC-induced sciatic nerve demyelination in rats: A study using CTB retrograde tracing. *Neuroscience*, 569, 277.

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.

Sun Z, et al. (2024) Harnessing developmental dynamics of spinal cord extracellular matrix improves regenerative potential of spinal cord organoids. *Cell stem cell*, 31(5), 772.

Kantarci H, et al. (2024) Schwann cell-secreted PGE2 promotes sensory neuron excitability during development. *Cell*, 187(17), 4690.

Ren SY, et al. (2024) Growth hormone promotes myelin repair after chronic hypoxia via triggering pericyte-dependent angiogenesis. *Neuron*, 112(13), 2177.

Cooper AH, et al. (2024) Peripheral nerve injury results in a biased loss of sensory neuron subpopulations. *Pain*, 165(12), 2863.

Sato MP, et al. (2024) Hair cell regeneration, reinnervation, and restoration of hearing thresholds in the avian hearing organ. *Cell reports*, 43(3), 113822.

Qi L, et al. (2024) A mouse DRG genetic toolkit reveals morphological and physiological diversity of somatosensory neuron subtypes. *Cell*, 187(6), 1508.

Smith KE, et al. (2024) Developmental shaping of node of Ranvier geometry contributes to spike timing maturation in primary auditory afferents. *Cell reports*, 43(9), 114651.

Yarkova ES, et al. (2024) Detection of ER Stress in iPSC-Derived Neurons Carrying the p.N370S Mutation in the GBA1 Gene. *Biomedicines*, 12(4).