

Resource Summary Report

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Mouse Anti-Neurofilament 200 Monoclonal Antibody, Unconjugated, Clone NE14

RRID:AB_260781

Type: Antibody

Proper Citation

(Sigma-Aldrich Cat# N5389, RRID:AB_260781)

Antibody Information

URL: http://antibodyregistry.org/AB_260781

Proper Citation: (Sigma-Aldrich Cat# N5389, RRID:AB_260781)

Target Antigen: Neurofilament 200

Host Organism: mouse

Clonality: monoclonal

Comments: Vendor recommendations: Immunohistochemistry; Western Blot; Immunoblotting, Immunohistochemistry (formalin-fixed, paraffin-embedded), Immunohistochemistry (frozen)

Antibody Name: Mouse Anti-Neurofilament 200 Monoclonal Antibody, Unconjugated, Clone NE14

Description: This monoclonal targets Neurofilament 200

Target Organism: human, pig, porcine

Clone ID: Clone NE14

Defining Citation: [PMID:20235171](#), [PMID:19937712](#), [PMID:21452234](#)

Antibody ID: AB_260781

Vendor: Sigma-Aldrich

Catalog Number: N5389

Ratings and Alerts

No rating or validation information has been found for Mouse Anti-Neurofilament 200 Monoclonal Antibody, Unconjugated, Clone NE14.

No alerts have been found for Mouse Anti-Neurofilament 200 Monoclonal Antibody, Unconjugated, Clone NE14.

Data and Source Information

Source: [Antibody Registry](#)

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](#).

Vecchi JT, et al. (2023) The geometry of photopolymerized topography influences neurite pathfinding by directing growth cone morphology and migration. bioRxiv : the preprint server for biology.

Delcroix V, et al. (2023) The First Transcriptomic Atlas of the Adult Lacrimal Gland Reveals Epithelial Complexity and Identifies Novel Progenitor Cells in Mice. Cells, 12(10).

Pi W, et al. (2022) Myelin-associated glycoprotein combined with chitin conduit inhibits painful neuroma formation after sciatic nerve transection. Neural regeneration research, 17(6), 1343.

Wu J, et al. (2022) Regenerative Peripheral Nerve Interfaces Effectively Prevent Neuroma Formation After Sciatic Nerve Transection in Rats. Frontiers in molecular neuroscience, 15, 938930.

Chakrabarti R, et al. (2022) Optogenetics and electron tomography for structure-function analysis of cochlear ribbon synapses. eLife, 11.

Gong C, et al. (2021) Human spinal GABA neurons alleviate spasticity and improve locomotion in rats with spinal cord injury. Cell reports, 34(12), 108889.

Hua Y, et al. (2021) Electron Microscopic Reconstruction of Neural Circuitry in the Cochlea. Cell reports, 34(1), 108551.

Wu Q, et al. (2020) Riluzole improves functional recovery after acute spinal cord injury in rats and may be associated with changes in spinal microglia/macrophages polarization.

Neuroscience letters, 723, 134829.

Musah AS, et al. (2020) Mechanistic Target of Rapamycin Regulates the Oligodendrocyte Cytoskeleton during Myelination. The Journal of neuroscience : the official journal of the Society for Neuroscience, 40(15), 2993.

Huang J, et al. (2020) Hyperactivity of Innate Immunity Triggers Pain via TLR2-IL-33-Mediated Neuroimmune Crosstalk. Cell reports, 33(1), 108233.

Sanz-Rodriguez M, et al. (2018) R-Ras1 and R-Ras2 Are Essential for Oligodendrocyte Differentiation and Survival for Correct Myelination in the Central Nervous System. The Journal of neuroscience : the official journal of the Society for Neuroscience, 38(22), 5096.

Hill RZ, et al. (2018) The signaling lipid sphingosine 1-phosphate regulates mechanical pain. eLife, 7.

Ingwersen J, et al. (2018) Nimodipine confers clinical improvement in two models of experimental autoimmune encephalomyelitis. Journal of neurochemistry.

Waetzig V, et al. (2017) Crosstalk control and limits of physiological c-Jun N-terminal kinase activity for cell viability and neurite stability in differentiated PC12 cells. Molecular and cellular neurosciences, 82, 12.

Matsumoto S, et al. (2016) Motor Nerve Arborization Requires Proteolytic Domain of Damage-Induced Neuronal Endopeptidase (DINE) during Development. The Journal of neuroscience : the official journal of the Society for Neuroscience, 36(17), 4744.

An L, et al. (2016) Acrylamide Retards the Slow Axonal Transport of Neurofilaments in Rat Cultured Dorsal Root Ganglia Neurons and the Corresponding Mechanisms. Neurochemical research, 41(5), 1000.

Metz M, et al. (2011) Distribution of the auxiliary GABAB receptor subunits KCTD8, 12, 12b, and 16 in the mouse brain. The Journal of comparative neurology, 519(8), 1435.

Besalduch N, et al. (2010) Synaptic activity-related classical protein kinase C isoform localization in the adult rat neuromuscular synapse. The Journal of comparative neurology, 518(2), 211.

Herde MK, et al. (2010) Developmental expression of the actin depolymerizing factor ADF in the mouse inner ear and spiral ganglia. The Journal of comparative neurology, 518(10), 1724.