Resource Summary Report

Generated by NIF on Sep 8, 2026

Anti-NG2 Chondroitin Sulfate Proteoglycan Antibody

RRID:AB_91789
Type: Antibody

Proper Citation

Millipore Cat# AB5320, RRID:AB_91789

Antibody Information

URL: http://antibodyregistry.org/AB_91789

Proper Citation: Millipore Cat# AB5320, RRID:AB_91789

Target Antigen: NG2 Chondroitin Sulfate Proteoglycan

Host Organism: rabbit

Clonality: polyclonal

Comments: Applications: IHC, WB
Consolidation on 2/2024: AB_11213678

Antibody Name: Anti-NG2 Chondroitin Sulfate Proteoglycan Antibody

Description: This polyclonal targets NG2 Chondroitin Sulfate Proteoglycan

Target Organism: rat, mouse

Defining Citation: PMID:20209960, PMID:18386786, PMID:17245706, PMID:19058188, PMID:18181146, PMID:19760739, PMID:18092342, PMID:16786555, PMID:16705673

Antibody ID: AB_91789

Vendor: Millipore

Catalog Number: AB5320

Record Creation Time: 20231110T055707+0000

Record Last Update: 20260901T042920+0000

Ratings and Alerts

No rating or validation information has been found for Anti-NG2 Chondroitin Sulfate Proteoglycan Antibody.

Warning: The authors state: "Depending on secondary antibody, there was false positive Rab6A staining selectively in microglial cells (1â€“3 larger granula in many cells) present also in the controls (see Figure S8). Only with biotinylated horse anti-goat (followed by CY3-conjugated streptavidin) and donkey anti-mouse Alexa 647 was this non-specific, selective staining prevented. Virtually all non-astrocytic cells examined are negative for Rab6A: 99% of NG2 cells; 100% of microglia; and 98.3% of oligodendrocytes from cortex, 99.5% from corpus callosum, and 100% from hippocampus (Figure 5), and no Rab6A+ neurons were found (Figure S9)."
Applications: IHC, WB
Consolidation on 2/2024: AB_11213678

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 127 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF .

Sefiani A, et al. (2026) Novel Neurotrophin-3 peptidomimetic synthetic neurotrophin promotes neurological recovery after spinal cord injury. Experimental neurology, 401, 115746.

Vuong CK, et al. (2026) A single-cell multiomic analysis identifies molecular and gene-regulatory mechanisms dysregulated in developing Down syndrome neocortex. Science (New York, N.Y.), 392(6796), eaea1259.

Zhao W, et al. (2026) NAD-dependent redox control enables endothelial quiescence and vascular stabilization during angiogenesis. Cell metabolism, 38(7), 1478.

Yao L, et al. (2026) PDGF signaling regulates the adipocyte-to-fibroblast transition in wound healing. Cell reports, 45(6), 117421.

Ballarò R, et al. (2026) Aerobic Exercise Activates S1PR1 Signaling in Tumor Endothelial Cells to Promote Vascular Function in Pancreatic Cancer. Cancer research.

Zhou Y, et al. (2026) Therapeutic potential of liver X receptor agonist GW3965 in preserving myelin integrity following traumatic brain injury. British journal of pharmacology.

Xiong H, et al. (2026) MicroRNA-200s attenuate demyelination caused by Angiostrongylus cantonensis in a mouse model by targeting phosphatase and tensin homolog. Neural regeneration research, 21(6), 2599.

Uruk G, et al. (2026) Peri-Microvascular Glycogen and Lactate Regulate Capillary Constrictions and Ischemia Outcome in Mice. Journal of neurochemistry, 170(4), e70430.

Raymundo JR, et al. (2026) KCTD1/KCTD15 complexes repress AP-2? and AP-2? to regulate neural crest-dependent craniofacial morphogenesis and scalp skin development. The Journal of investigative dermatology.

Sofer Stepanov L, et al. (2026) Pro-repair properties of a human embryonic stem cell-derived astrocyte cell therapy in demyelinating disorders. Stem cell reports, 21(7), 102960.

Vuong L, et al. (2026) Hypoxia shapes both therapeutic response and resistance in metastatic clear cell renal cell carcinoma. Cancer cell, 44(7), 1477.

Jin M, et al. (2026) Chimeric brain models to study human glial-neuronal and macroglial-microglial interactions. Cell reports, 45(1), 116794.

MacKeigan TP, et al. (2025) Misfolding protein pathology detected in a chronic mouse model of multiple sclerosis. Neuroscience, 595, 28.

Zhang YP, et al. (2025) PAI-1-driven SFRP2high cancer-associated fibroblasts hijack the abscopal effect of radioimmunotherapy. Cancer cell, 43(5), 856.

Zhang L, et al. (2025) Repeated sevoflurane exposure causes hypomyelination in the prefrontal cortex of adult male mice. Scientific reports, 15(1), 1546.

Rotini A, et al. (2025) Sympathetic innervation maintains the murine quiescent skeletal muscle stem cell pool via perivascular-derived Angpt1. Developmental cell.

Liu MC, et al. (2025) Choline transporters are required for oligodendrocyte differentiation and myelin sheath formation in mouse postnatal brain. Cell reports, 44(7), 115852.

Zhao S, et al. (2025) Targeting ECM-producing cells with CAR-T therapy alleviates fibrosis in chronic kidney disease. Cell stem cell, 32(9), 1390.

Lu Z, et al. (2025) Cardiac mural cells are rate-limiting for coronary vascularization after heart injury. iScience, 28(10), 113536.

Ries C, et al. (2025) Neuropeptide CRH prevents premature differentiation of OPCs following CNS injury and in early postnatal development. Cell reports, 44(11), 116474.