

Resource Summary Report

Generated by [RRID](#) on Aug 14, 2026

Mouse/Rat Neurocan Antibody

RRID:AB_2149717

Type: Antibody

Proper Citation

R and D Systems Cat# AF5800, RRID:AB_2149717

Antibody Information

URL: http://antibodyregistry.org/AB_2149717

Proper Citation: R and D Systems Cat# AF5800, RRID:AB_2149717

Target Antigen: Neurocan

Host Organism: Sheep

Clonality: polyclonal

Comments: Applications: Western Blot, Immunohistochemistry

Antibody Name: Mouse/Rat Neurocan Antibody

Description: This polyclonal targets Neurocan

Target Organism: Rat, Mouse

Antibody ID: AB_2149717

Vendor: R and D Systems

Catalog Number: AF5800

Alternative Catalog Numbers: AF5800-SP

Record Creation Time: 20250819T211034+0000

Record Last Update: 20250819T220555+0000

Ratings and Alerts

No rating or validation information has been found for Mouse/Rat Neurocan Antibody.

No alerts have been found for Mouse/Rat Neurocan Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Irala D, et al. (2024) Astrocyte-secreted neurocan controls inhibitory synapse formation and function. *Neuron*, 112(10), 1657.

Reinhard J, et al. (2024) Neural extracellular matrix regulates visual sensory motor integration. *iScience*, 27(2), 108846.

Mubuchi A, et al. (2024) Assembly of neuron- and radial glial-cell-derived extracellular matrix molecules promotes radial migration of developing cortical neurons. *eLife*, 12.

Blondiaux A, et al. (2023) Linking epileptic phenotypes and neural extracellular matrix remodeling signatures in mouse models of epilepsy. *Neurobiology of disease*, 188, 106324.

Mueller-Buehl C, et al. (2022) Brevican, Neurocan, Tenascin-C, and Tenascin-R Act as Important Regulators of the Interplay Between Perineuronal Nets, Synaptic Integrity, Inhibitory Interneurons, and Otx2. *Frontiers in cell and developmental biology*, 10, 886527.

Schmidt S, et al. (2022) Tau Protein Modulates Perineuronal Extracellular Matrix Expression in the TauP301L-acan Mouse Model. *Biomolecules*, 12(4).

Ritok A, et al. (2022) Distribution and postnatal development of chondroitin sulfate proteoglycans in the perineuronal nets of cholinergic motoneurons innervating extraocular muscles. *Scientific reports*, 12(1), 21606.

Schmidt S, et al. (2020) Neurocan Contributes to Perineuronal Net Development. *Neuroscience*, 442, 69.

Heusinger J, et al. (2019) Sensory deafferentation modulates and redistributes neurocan in the rat auditory brainstem. *Brain and behavior*, 9(8), e01353.