# **Resource Summary Report**

Generated by FDI Lab - SciCrunch.org on May 25, 2025

# **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:** 20241016T220240+0000

Record Last Update: 20241016T220536+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 10 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

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.

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

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.

Bekku Y, et al. (2012) Bral2 is indispensable for the proper localization of brevican and the structural integrity of the perineuronal net in the brainstem and cerebellum. The Journal of comparative neurology, 520(8), 1721.