Resource Summary Report

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High Resolution Mouse Brain Atlas

RRID:SCR_006063
Type: Tool

Proper Citation

High Resolution Mouse Brain Atlas (RRID:SCR_006063)

Resource Information

URL: http://www.hms.harvard.edu/research/brain/atlas.html

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Description: 2D mouse brain atlas of high quality coronal Nissl- and myelin-stained sections with labels, 3D images of hippocampal formation and limited other brain structures. The data for this digital atlas are based on the Atlas of the Mouse Brain and Spinal Cord, authored by Richard L. Sidman, Jay. B. Angevine and Elizabeth Taber Pierce, published as a hard cover book by Harvard University Press in 1971 and currently out of print. C57BL/6J strain adult specimens were used in creating the atlas.

Abbreviations: High Resolution Mouse Brain Atlas

Resource Type: atlas, data or information resource

Keywords: adult mouse, hippocampal formation, image, leaf lumina camera, mouse, normal, nuclei of the limbic thalamus, c57bl/6, nissel, myelin, neuroanatomy, olfactory bulb, frontal pole, pyriform cortex, septo-striatal, septo-diencephalic, rostral diencephalon, caudal diencephalon, rostral cerebellum, caudal cerebellum, medula, spinal cord, diencephalon, cerebellum, mesencephalon

Funding: Human Brain Project ;
NINDS RO1 NS36041

Resource Name: High Resolution Mouse Brain Atlas

Resource ID: SCR_006063

Alternate IDs: nif-0000-00087

Record Creation Time: 20220129T080234+0000

Record Last Update: 20260919T195655+0000

Ratings and Alerts

No rating or validation information has been found for High Resolution Mouse Brain Atlas.

No alerts have been found for High Resolution Mouse Brain Atlas.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 28 mentions in open access literature.

Listed below are recent publications. The full list is available at nidm-terms .

Lang S, et al. (2026) Reduced Oligodendrocyte Density and Axonal Caliber Associated With Mitochondrial Alterations in the White Matter of Chronically-Starved Mice. The International journal of eating disorders, 59(5), 869.

Kaddatz H, et al. (2026) Loss of oligodendrocyte transcription factor 2 protein expression in metabolically stressed oligodendrocytes. Acta neuropathologica, 151(1).

Krüger J, et al. (2025) Siponimod supports remyelination in the non-supportive environment. Scientific reports, 15(1), 4216.

Giesler P, et al. (2025) High-Speed-Ventral-Plane Videography Identifies Specific Gait Pattern Changes in Cuprizone-Induced Demyelination in Mice. Cells, 14(13).

Beecken M, et al. (2023) The Cuprizone Mouse Model: A Comparative Study of Cuprizone Formulations from Different Manufacturers. International journal of molecular sciences, 24(13).

Behrangi N, et al. (2022) Siponimod ameliorates metabolic oligodendrocyte injury via the sphingosine-1 phosphate receptor 5. Proceedings of the National Academy of Sciences of the United States of America, 119(40), e2204509119.

Wittekindt M, et al. (2022) Different Methods for Evaluating Microglial Activation Using Anti-Ionized Calcium-Binding Adaptor Protein-1 Immunohistochemistry in the Cuprizone Model. Cells, 11(11).

Behrangi N, et al. (2021) Oligodendrocyte Lineage Marker Expression in eGFP-GFAP Transgenic Mice. Journal of molecular neuroscience : MN, 71(11), 2237.

Nedelcu J, et al. (2020) Laquinimod ameliorates secondary brain inflammation. Neurobiology of disease, 134, 104675.

Chrzanowski U, et al. (2019) Oligodendrocyte degeneration and concomitant microglia activation directs peripheral immune cells into the forebrain. Neurochemistry international, 126, 139.

Nyamoya S, et al. (2019) Laquinimod Supports Remyelination in Non-Supportive Environments. Cells, 8(11).

Singh A, et al. (2018) The BH3 only Bcl-2 family member BNIP3 regulates cellular proliferation. PloS one, 13(10), e0204792.

Olmstead TA, et al. (2018) Transcranial and pulsed focused ultrasound that activates brain can accelerate remyelination in a mouse model of multiple sclerosis. Journal of therapeutic ultrasound, 6, 11.

Kashani IR, et al. (2017) Protective effects of erythropoietin against cuprizone-induced oxidative stress and demyelination in the mouse corpus callosum. Iranian journal of basic medical sciences, 20(8), 886.

Benedusi V, et al. (2017) Liver ER? regulates AgRP neuronal activity in the arcuate nucleus of female mice. Scientific reports, 7(1), 1194.

Zhu K, et al. (2016) Electroacupuncture Promotes Remyelination after Cuprizone Treatment by Enhancing Myelin Debris Clearance. Frontiers in neuroscience, 10, 613.

Lyubetska H, et al. (2015) An elevated level of circulating galanin promotes developmental expression of myelin basic protein in the mouse brain. Neuroscience, 284, 581.

Slowik A, et al. (2015) The sphingosine 1-phosphate receptor agonist FTY720 is neuroprotective after cuprizone-induced CNS demyelination. British journal of pharmacology, 172(1), 80.

Kailasam S, et al. (2014) Sequence dependent variations in RNA duplex are related to non-canonical hydrogen bond interactions in dinucleotide steps. BMC research notes, 7, 83.

Zaslavsky I, et al. (2014) Cyberinfrastructure for the digital brain: spatial standards for integrating rodent brain atlases. Frontiers in neuroinformatics, 8, 74.