Resource Summary Report

Generated by NIF on May 19, 2025

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: data or information resource, atlas

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: 20250516T053813+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 22 mentions in open access literature.

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

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.

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.

Zhang L, et al. (2012) Galanin transgenic mice with elevated circulating galanin levels alleviate demyelination in a cuprizone-induced MS mouse model. PloS one, 7(3), e33901.

Buschmann JP, et al. (2012) Inflammatory response and chemokine expression in the white matter corpus callosum and gray matter cortex region during cuprizone-induced demyelination. Journal of molecular neuroscience : MN, 48(1), 66.

König R, et al. (2012) Expression of retinoid X receptor ? is induced in astrocytes during corpus callosum demyelination. Journal of chemical neuroanatomy, 43(2), 120.

Kipp M, et al. (2011) BLBP-expression in astrocytes during experimental demyelination and in human multiple sclerosis lesions. Brain, behavior, and immunity, 25(8), 1554.

Baertling F, et al. (2010) ADAM12 is expressed by astrocytes during experimental demyelination. Brain research, 1326, 1.

Lerch JP, et al. (2008) Cortical thickness measured from MRI in the YAC128 mouse model of Huntington's disease. NeuroImage, 41(2), 243.