Resource Summary Report

Generated by RRID on Apr 9, 2025

Mouse Brain Library

RRID:SCR_001112
Type: Tool

Proper Citation

Mouse Brain Library (RRID:SCR_001112)

Resource Information

URL: http://mbl.org

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Description: Collection of high resolution images and databases of brains from many genetically characterized strains of mice with aim to systematically map and characterize genes that modulate architecture of mammalian CNS. Includes detailed information on genomes of many strains of mice. Consists of images from approximately 800 brains and numerical data from just over 8000 mice. You can search MBL by strain, age, sex, body or brain weight. Images of slide collection are available at series of resolutions. Apple's QuickTime Plugin is required to view available MBL Movies.

Abbreviations: MBL

Synonyms: MBL - Mouse Brain Library, Mouse Brain Library, The Mouse Brain Library

Resource Type: image collection, database, video resource, portal, atlas, data or information resource, topical portal

Defining Citation: PMID:10857184, PMID:15043219

Keywords: brain, gene, genome, strain, c57bl/6j, dba/2j, a/j, genetic variant, phenotype, hippocampus, cerebellum, striatum, olfactory bulb, thalamus, neocortex, dorsal nucleus of lateral geniculate body, central nervous system

Funding: NIMH P20 MH62009

Availability: Restricted

Resource Name: Mouse Brain Library

Resource ID: SCR_001112

Alternate IDs: nif-0000-00030

Record Creation Time: 20220129T080205+0000

Record Last Update: 20250409T060053+0000

Ratings and Alerts

No rating or validation information has been found for Mouse Brain Library.

No alerts have been found for Mouse Brain Library.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 24 mentions in open access literature.

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

Sebastiani A, et al. (2018) RS1 (Rsc1A1) deficiency limits cerebral SGLT1 expression and delays brain damage after experimental traumatic brain injury. Journal of neurochemistry, 147(2), 190.

Sebastiani A, et al. (2017) Sequestosome 1 Deficiency Delays, but Does Not Prevent Brain Damage Formation Following Acute Brain Injury in Adult Mice. Frontiers in neuroscience, 11, 678.

Hellwig S, et al. (2016) Altered microglia morphology and higher resilience to stress-induced depression-like behavior in CX3CR1-deficient mice. Brain, behavior, and immunity, 55, 126.

Koványi B, et al. (2016) The role of P2X7 receptors in a rodent PCP-induced schizophrenia model. Scientific reports, 6, 36680.

Cruz-Martinez P, et al. (2016) Intraventricular injections of mesenchymal stem cells activate endogenous functional remyelination in a chronic demyelinating murine model. Cell death & disease, 7(5), e2223.

Rodriguez-Grande B, et al. (2015) Pentraxin 3 mediates neurogenesis and angiogenesis after cerebral ischaemia. Journal of neuroinflammation, 12, 15.

Vicens P, et al. (2013) Effects of an alpha7 nicotinic receptor agonist and stress on spatial memory in an animal model of Alzheimer's disease. BioMed research international, 2013, 952719.

Schaible EV, et al. (2013) Single administration of tripeptide ?-MSH(11-13) attenuates brain damage by reduced inflammation and apoptosis after experimental traumatic brain injury in mice. PloS one, 8(8), e71056.

Donadieu E, et al. (2013) Comparison of the neuropathology induced by two West Nile virus strains. PloS one, 8(12), e84473.

Mercer RE, et al. (2013) Magel2 is required for leptin-mediated depolarization of POMC neurons in the hypothalamic arcuate nucleus in mice. PLoS genetics, 9(1), e1003207.

Timaru-Kast R, et al. (2012) Influence of age on brain edema formation, secondary brain damage and inflammatory response after brain trauma in mice. PloS one, 7(8), e43829.

Talishinsky A, et al. (2012) Systems genetics of the lateral septal nucleus in mouse: heritability, genetic control, and covariation with behavioral and morphological traits. PloS one, 7(8), e44236.

Thal SC, et al. (2012) Volatile anesthetics influence blood-brain barrier integrity by modulation of tight junction protein expression in traumatic brain injury. PloS one, 7(12), e50752.

Newbury AJ, et al. (2012) Genetic, morphometric, and behavioral factors linked to the midsagittal area of the corpus callosum. Frontiers in genetics, 3, 91.

Hager R, et al. (2012) Genetic architecture supports mosaic brain evolution and independent brain-body size regulation. Nature communications, 3, 1079.

Üçeyler N, et al. (2011) IL-4 deficiency is associated with mechanical hypersensitivity in mice. PloS one, 6(12), e28205.

Luh C, et al. (2011) Influence of a brief episode of anesthesia during the induction of experimental brain trauma on secondary brain damage and inflammation. PloS one, 6(5), e19948.

Chakraborty S, et al. (2008) Stereological analysis of estrogen receptor expression in the hypothalamic arcuate nucleus of ob/ob and agouti mice. Brain research, 1217, 86.

Muramatsu R, et al. (2008) Early-life status epilepticus induces ectopic granule cells in adult mice dentate gyrus. Experimental neurology, 211(2), 503.

Sharief AA, et al. (2008) Automated segmentation of the actively stained mouse brain using multi-spectral MR microscopy. NeuroImage, 39(1), 136.