

Resource Summary Report

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Allen Mouse Brain Reference Atlas

RRID:SCR_002978

Type: Tool

Proper Citation

Allen Mouse Brain Reference Atlas (RRID:SCR_002978)

Resource Information

URL: <http://mouse.brain-map.org/static/atlas>

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Description: Allen Mouse Brain Atlas includes full color, high resolution anatomic reference atlas accompanied by systematic, hierarchically organized taxonomy of mouse brain structures. Enables interactive online exploration of atlas and to provide deeper level of 3D annotation for informatics analysis and viewing in Brain Explorer 3D viewer.

Abbreviations: ABA, ARA, ABA Mouse Brain

Synonyms: Allen Mouse Brain Reference Atlas, Allen Reference Atlases, ABA Adult Mouse Brain, ARA ontology

Resource Type: reference atlas, atlas, data or information resource

Keywords: 3D, map, gene, expression, data, adult, mouse, brain, interactive, image

Funding:

Availability: Free, Freely available

Resource Name: Allen Mouse Brain Reference Atlas

Resource ID: SCR_002978

Alternate IDs: SCR_013286, nlx_21010, nif-0000-00508

Old URLs: <http://mouse.brain-map.org/atlas/index.html>, <http://mouse.brain-map.org/>

Record Creation Time: 20220129T080216+0000

Record Last Update: 20250425T055311+0000

Ratings and Alerts

No rating or validation information has been found for Allen Mouse Brain Reference Atlas.

No alerts have been found for Allen Mouse Brain Reference Atlas.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 437 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Jin K, et al. (2025) Brain-wide cell-type-specific transcriptomic signatures of healthy ageing in mice. *Nature*, 638(8049), 182.

Shen Z, et al. (2024) How variable progenitor clones construct a largely invariant neocortex. *National science review*, 11(1), nwad247.

Cui K, et al. (2024) Dominant activities of fear engram cells in the dorsal dentate gyrus underlie fear generalization in mice. *PLoS biology*, 22(7), e3002679.

Wang YY, et al. (2024) Ucp4 Knockdown of Cerebellar Purkinje Cells Induces Bradykinesia. *Molecular neurobiology*, 61(2), 1119.

Choi A, et al. (2024) Circuit mechanism underlying fragmented sleep and memory deficits in 16p11.2 deletion mouse model of autism. *iScience*, 27(12), 111285.

Day M, et al. (2024) GABAergic regulation of striatal spiny projection neurons depends upon their activity state. *PLoS biology*, 22(1), e3002483.

Smith J, et al. (2024) Regulation of stress-induced sleep fragmentation by preoptic glutamatergic neurons. *Current biology : CB*, 34(1), 12.

Drake AW, et al. (2024) Somatostatin interneuron fate-mapping and structure in a Pten knockout model of epilepsy. *Frontiers in cellular neuroscience*, 18, 1474613.

Makarava N, et al. (2023) Region-Specific Homeostatic Identity of Astrocytes Is Essential for Defining Their Response to Pathological Insults. *Cells*, 12(17).

Wang F, et al. (2023) State-dependent memory retrieval: insights from neural dynamics and behavioral perspectives. *Learning & memory (Cold Spring Harbor, N.Y.)*, 30(12), 325.

Dundee JM, et al. (2023) P2Y6 receptor-dependent microglial phagocytosis of synapses mediates synaptic and memory loss in aging. *Aging cell*, 22(2), e13761.

Petty A, et al. (2023) Sub-Chronic Ketamine Administration Increases Dopamine Synthesis Capacity in the Mouse Midbrain: a Preclinical In Vivo PET Study. *Molecular imaging and biology*, 25(6), 1054.

Gómez-Pascual A, et al. (2023) Polyglucosan body density in the aged mouse hippocampus is controlled by a novel modifier locus on chromosome 1. *bioRxiv : the preprint server for biology*.

Yayon N, et al. (2023) A spatial human thymus cell atlas mapped to a continuous tissue axis. *bioRxiv : the preprint server for biology*.

Yao Z, et al. (2023) A high-resolution transcriptomic and spatial atlas of cell types in the whole mouse brain. *bioRxiv : the preprint server for biology*.

Jin K, et al. (2023) Cell-type specific molecular signatures of aging revealed in a brain-wide transcriptomic cell-type atlas. *bioRxiv : the preprint server for biology*.

Yao Z, et al. (2023) A high-resolution transcriptomic and spatial atlas of cell types in the whole mouse brain. *Nature*, 624(7991), 317.

Smagin DA, et al. (2022) Altered Expression of Genes Associated with Major Neurotransmitter Systems in the Reward-Related Brain Regions of Mice with Positive Fighting Experience. *International journal of molecular sciences*, 23(21).

Schiapparelli LM, et al. (2022) Activity-Induced Cortical Glutamatergic Neuron Nascent Proteins. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 42(42), 7900.

Grimm C, et al. (2022) An optimized protocol for assessing changes in mouse whole-brain activity using opto-fMRI. *STAR protocols*, 3(4), 101761.