Resource Summary Report

Generated by PRECISE-TBI on Aug 5, 2026

Allen Brain Atlas

RRID:SCR_017001
Type: Tool

Proper Citation

Allen Brain Atlas (RRID:SCR_017001)

Resource Information

URL: http://portal.brain-map.org/

Proper Citation: Allen Brain Atlas (RRID:SCR_017001)

Description: Portal provides access to data and web based applications created for benefit of global research community by Allen Institute for Brain Science. Projects to ombine genomics with neuroanatomy by creating gene expression maps for mouse and human brain. Mouse Brain Atlas, Human Brain Atlas, Developing Mouse Brain Atlas, Developing Human Brain Atlas, Mouse Connectivity Atlas, Non-Human Primate Atlas, and Mouse Spinal Cord Atlas and three related projects Glioblastoma, Mouse Diversity, and Sleep data banks, are used to advance various fields of science especially in neurobiological diseases.

Synonyms: Allen Brain Atlas, Brain Atlases, Allen Mouse Brain Atlas, The Allen Brain Atlas, Allen Human Brain Atlas

Resource Type: portal, atlas, project portal, data or information resource

Keywords: genomic, data, neuroanatomy, gene, expression, map, mouse, human, brain, atlas, neurobiology

Availability: Free, Freely available

Resource Name: Allen Brain Atlas

Resource ID: SCR_017001

Alternate IDs: SCR_017530

Record Creation Time: 20220129T080333+0000

Record Last Update: 20260805T044402+0000

Ratings and Alerts

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

No alerts have been found for Allen Brain Atlas.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 195 mentions in open access literature.

Listed below are recent publications. The full list is available at PRECISE-TBI .

Choi Y, et al. (2025) Blood-derived APLP1+ extracellular vesicles are potential biomarkers for the early diagnosis of brain diseases. Science advances, 11(1), eado6894.

Xin Y, et al. (2025) Genetic contributions to brain criticality and its relationship with human cognitive functions. Proceedings of the National Academy of Sciences of the United States of America, 122(26), e2417010122.

Nian FS, et al. (2025) Oscillatory DeltaC Expression in Neural Progenitors Primes the Prototype of Forebrain Development. Molecular neurobiology, 62(4), 4076.

Fonta N, et al. (2025) Oligodendrocyte-derived IL-33 regulates self-reactive CD8+ T cells in CNS autoimmunity. The Journal of experimental medicine, 222(7).

Reva M, et al. (2025) Higher-order interactions in neuronal function: From genes to ionic currents in biophysical models. Proceedings of the National Academy of Sciences of the United States of America, 122(40), e2500048122.

Kim JZ, et al. (2025) Inferring intrinsic neural timescales using optimal control theory. Nature communications, 16(1), 11639.

Tsurugizawa T, et al. (2025) A Cross-Species Brain Magnetic Resonance Imaging and Histology Database of Vertebrates. Scientific data, 12(1), 1206.

Drumond-Bock AL, et al. (2025) Parallel Gene Expression Changes in Ventral Midbrain Dopamine and GABA Neurons during Normal Aging. eNeuro, 12(5).

Zang B, et al. (2025) Tensor-powered insights into neural dynamics. Communications biology, 8(1), 298.

Mandino F, et al. (2025) Multimodal identification of the mouse brain using simultaneous Ca2+ imaging and fMRI. Communications biology, 8(1), 665.

Chen Y, et al. (2025) Non-disruptive 3D profiling of combinations of epigenetic marks in single cells. bioRxiv : the preprint server for biology.

Picone JA, et al. (2025) The function of the ZFP189 transcription factor in the nucleus accumbens facilitates cocaine-specific transcriptional and behavioral adaptations. Molecular psychiatry, 30(6), 2490.

Laugwitz L, et al. (2025) EEFSEC deficiency: A selenopathy with early-onset neurodegeneration. American journal of human genetics, 112(1), 168.

Zhuo L, et al. (2025) MAPbrain: a multi-omics atlas of the primate brain. Nucleic acids research, 53(D1), D1055.

Schneeberger S, et al. (2025) Interleukin-12 signaling drives Alzheimer's disease pathology through disrupting neuronal and oligodendrocyte homeostasis. Nature aging, 5(4), 622.

Deng T, et al. (2025) A Molecularly Defined Medullary Network for Control of Respiratory Homeostasis. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(18), e2412822.

Sullivan ZA, et al. (2025) Brain-immune interactions generate pathogen-specific sickness states. bioRxiv : the preprint server for biology.

Reshetniak S, et al. (2025) The synaptic vesicle cluster as a controller of pre- and postsynaptic structure and function. The Journal of physiology, 603(20), 5935.

Smith M, et al. (2025) Potentiation of the M1 muscarinic acetylcholine receptor normalizes neuronal activation patterns and improves apnea severity in Mecp2+/- mice. Neurobiology of disease, 208, 106859.

Nakatsuka D, et al. (2025) Fine-tuning of dopamine receptor signaling with aripiprazole counteracts ketamine's dissociative action, but not its antidepressant effect. Translational psychiatry, 15(1), 77.