

Resource Summary Report

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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 combine 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: data or information resource, project portal, portal, atlas

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: 20260811T043548+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 237 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

Fernández G, et al. (2026) Transcriptomics reveals pallial and subpallial subdivisions of the mouse medial amygdala. *Brain structure & function*, 231(2), 20.

Kim Y, et al. (2026) A biphasic astrocytic PTGDS trajectory marks a metabolic vulnerability stage in prodromal Alzheimer's disease. *Research square*.

Lai R, et al. (2026) Why 11?-HSD1 inhibitors show variable efficacy in Alzheimer's therapy: an APOE4-dependent HSD11B1 mechanism. *Theranostics*, 16(8), 4113.

Ito S, et al. (2026) Deep-learning-assisted simulation of a cortical circuit: integrating anatomy, physiology and function. *bioRxiv : the preprint server for biology*.

Gu S, et al. (2026) Isoquinoline alkaloids in *Coptis chinensis* to treat Alzheimer's disease through promoting growth of *Bifidobacterium breve* inhibiting abnormal autophagy using a novel AI high-content intelligent imaging system. *Chinese herbal medicines*, 18(2), 405.

Breitfeld J, et al. (2026) Genetic dissection of serum pro-neurotensin suggests potential causal impact on brain structure. *EBioMedicine*, 124, 106105.

Ding C, et al. (2026) CSNK2B gene replacement rescues autism-related phenotypes and establishes translational EEG biomarkers. *Cell reports. Medicine*, 7(6), 102832.

Hunker AC, et al. (2026) Technical and biological sources of noise confound multiplexed enhancer AAV screening. *Nature communications*, 17(1).

Xu YKT, et al. (2026) Brain-wide mapping of oligodendrocyte organization, oligodendrogenesis, and myelin injury. *Cell*, 189(5), 1535.

Kuang Z, et al. (2026) Mechanistic signatures of comorbid PTSD with cognitive impairment implicate cortisol-induced neural toxicity. *Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology*, 51(7), 1325.

Hsu TT, et al. (2026) Shared and divergent alteration of whole-brain connectivity and sensory deficits in multiple autism mouse models. *Molecular psychiatry*, 31(4), 2038.

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.

Edmond KZ, et al. (2025) Expanding our understanding of (mal)adapted stress physiology in psychiatric disorders: achieving single-cell characterisation of steroids and neuropeptides. *Neurobiology of stress*, 37, 100739.

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.

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

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

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.

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.