Resource Summary Report

Generated by dkNET on May 21, 2025

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

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

Funding:

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: 20250521T061657+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 171 mentions in open access literature.

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

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.

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

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

Chen X, et al. (2024) A brain cell atlas integrating single-cell transcriptomes across human brain regions. Nature medicine, 30(9), 2679.

Brown SE, et al. (2024) Serine racemase deletion alters adolescent social behavior and whole-brain cFos activation. Frontiers in psychiatry, 15, 1365231.

Hainsworth AH, et al. (2024) The promise of molecular science in brain health. What breakthroughs are anticipated in the next 20 years? Cerebral circulation - cognition and behavior, 7, 100364.

Li K, et al. (2024) Growth hormone promotes the reconstruction of injured axons in the hypothalamo-neurohypophyseal system. Neural regeneration research, 19(10), 2249.

Hu T, et al. (2024) Cis-Regulatory Evolution of CCNB1IP1 Driving Gradual Increase of Cortical Size and Folding in primates. bioRxiv : the preprint server for biology.

Lubben N, et al. (2024) LRRK2 kinase inhibition reverses G2019S mutation-dependent

effects on tau pathology progression. Translational neurodegeneration, 13(1), 13.

Geertsma HM, et al. (2024) A topographical atlas of ?-synuclein dosage and cell type-specific expression in adult mouse brain and peripheral organs. NPJ Parkinson's disease, 10(1), 65.

Vafaii H, et al. (2024) Multimodal measures of spontaneous brain activity reveal both common and divergent patterns of cortical functional organization. Nature communications, 15(1), 229.

Redmer T, et al. (2024) MET receptor serves as a promising target in melanoma brain metastases. Acta neuropathologica, 147(1), 44.

Li C, et al. (2024) Compromised cell competition exhausts neural stem cells pool. Cell proliferation, 57(12), e13710.

Huang F, et al. (2024) Social isolation impairs cognition via A?-mediated synaptic dysfunction. Translational psychiatry, 14(1), 380.

Park Y, et al. (2024) Species-agnostic transfer learning for cross-species transcriptomics data integration without gene orthology. Briefings in bioinformatics, 25(2).

Groden M, et al. (2024) A biologically inspired repair mechanism for neuronal reconstructions with a focus on human dendrites. PLoS computational biology, 20(2), e1011267.

Wang T, et al. (2024) Graph attention automatic encoder based on contrastive learning for domain recognition of spatial transcriptomics. Communications biology, 7(1), 1351.

Zhou Y, et al. (2024) Pianno: a probabilistic framework automating semantic annotation for spatial transcriptomics. Nature communications, 15(1), 2848.

Ono M, et al. (2024) Spatiotemporal development of the neuronal accumulation of amyloid precursor protein and the amyloid plaque formation in the brain of 3xTg-AD mice. Heliyon, 10(7), e28821.

Wasilczuk AZ, et al. (2024) Hormonal basis of sex differences in anesthetic sensitivity. Proceedings of the National Academy of Sciences of the United States of America, 121(3), e2312913120.