

Resource Summary Report

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ABA Mouse Brain: Atlas

RRID:SCR_017479

Type: Tool

Proper Citation

ABA Mouse Brain: Atlas (RRID:SCR_017479)

Resource Information

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

Proper Citation: ABA Mouse Brain: Atlas (RRID:SCR_017479)

Description: Genome wide database of gene expression in mouse brain. Genome-wide atlas of gene expression in the adult mouse brain.

Synonyms: Allen Brain Atlas: Mouse Brain, , Allen Brain Atlas Mouse Brain: Atlas

Resource Type: data or information resource, service resource, database

Defining Citation: [PMID:17151600](#)

Keywords: Genome, data, gene, expression, mouse, brain

Availability: Free, Freely available

Resource Name: ABA Mouse Brain: Atlas

Resource ID: SCR_017479

Record Creation Time: 20220129T080335+0000

Record Last Update: 20260729T044434+0000

Ratings and Alerts

No rating or validation information has been found for ABA Mouse Brain: Atlas.

No alerts have been found for ABA Mouse Brain: Atlas.

Data and Source Information

Usage and Citation Metrics

We found 328 mentions in open access literature.

Listed below are recent publications. The full list is available at [nidm-terms](#) .

Zhang Z, et al. (2026) Autophagy controls the hippocampal postsynaptic organization and affects cognition in a mouse model of Fragile X syndrome. *Molecular psychiatry*, 31(1), 75.

Scott DS, et al. (2025) Schizophrenia pathology reverse-translated into mouse shows hippocampal hyperactivity, psychosis behaviors and hyper-synchronous events. *Molecular psychiatry*, 30(5), 1746.

Huang FB, et al. (2025) Cross-species single-cell transcriptomics reveals neuronal similarities and heterogeneity in amniote pallium. *Zoological research*, 46(1), 193.

Liu Y, et al. (2025) INSTINCT: Multi-sample integration of spatial chromatin accessibility sequencing data via stochastic domain translation. *Nature communications*, 16(1), 1247.

Li C, et al. (2025) GeneSurfer enables transcriptome-wide exploration and annotation of gene co-expression modules in 3D spatial transcriptomics data. *iScience*, 28(7), 112713.

Bao ST, et al. (2025) Excitatory projections from the nucleus reuniens to the medial prefrontal cortex modulate pain and depression-like behaviors in mice. *PLoS biology*, 23(5), e3003170.

Luppi AI, et al. (2025) Comprehensive profiling of anaesthetised brain dynamics across phylogeny. *bioRxiv : the preprint server for biology*.

Rademacher K, et al. (2025) Chronic hyperactivation of midbrain dopamine neurons causes preferential dopamine neuron degeneration. *eLife*, 13.

Cooper ML, et al. (2025) Astrocytes connect specific brain regions through plastic gap junctional networks. *bioRxiv : the preprint server for biology*.

Korkmaz H, et al. (2025) Loss of Bmal1 impairs the glutamatergic light input to the SCN in mice. *Frontiers in cellular neuroscience*, 19, 1538985.

Dong Q, et al. (2025) Robust Spatial Cell-Type Deconvolution with Qualitative Reference for Spatial Transcriptomics. *Small methods*, 9(5), e2401145.

Kirikae H, et al. (2025) Gene Expression Profiling in the Cortex of Fabp4 Knockout Mice. *Neuropsychopharmacology reports*, 45(1), e70006.

Chen K, et al. (2025) Enhancing TREM2 expression activates microglia and modestly mitigates tau pathology and neurodegeneration. *Journal of neuroinflammation*, 22(1), 93.

Sznajder ??J, et al. (2025) Autism-related traits in myotonic dystrophy type 1 model mice are due to MBNL sequestration and RNA mis-splicing of autism-risk genes. *Nature*

neuroscience, 28(6), 1199.

Chai R, et al. (2025) Endocannabinoids disinhibit the ventral tegmental nucleus of Gudden to dorsal premammillary nucleus pathway to enhance escape behavior following learned threat experience. *Nature communications*, 16(1), 4885.

Jing J, et al. (2025) Molecular logic for cellular specializations that initiate the auditory parallel processing pathways. *Nature communications*, 16(1), 489.

Daphne D, et al. (2025) Extended fear learning enhances excitatory and inhibitory synaptic transmission onto amygdala engram cells. *Nature communications*, 16(1), 9908.

Bueno D, et al. (2025) NECAB family of neuronal calcium-binding proteins in health and disease. *Neural regeneration research*, 20(5), 1236.

Haviv D, et al. (2025) The covariance environment defines cellular niches for spatial inference. *Nature biotechnology*, 43(2), 269.

Sun ED, et al. (2025) Spatial transcriptomic clocks reveal cell proximity effects in brain ageing. *Nature*, 638(8049), 160.