Resource Summary Report

Generated by Kravitz on Sep 10, 2026

Allen Brain Cell Atlas

RRID:SCR_024440
Type: Tool

Proper Citation

Allen Brain Cell Atlas (RRID:SCR_024440)

Resource Information

URL: https://portal.brain-map.org/atlases-and-data/bkp/abc-atlas

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Description: Provides platform for visualizing multimodal single cell data across mammalian brain and aims to empower researchers to explore and analyze multiple whole brain datasets simultaneously. Allen Institute and its collaborators continue to add new modalities, species, and insights to the ABC Atlas. Atlas as part of Brain Knowledge Platform will enable neuroscience community to identify more cell types in brain; Investigate spatial location of cell types; Investigate gene expression and co-expression patterns in cell types; Refine boundaries and knowledge of brain regions defined by gene expression.

Synonyms: Allen Brain Cell (ABC) Atlas, The Allen Brain Cell Atlas, ABC Atlas

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

Keywords: visualizing multimodal single cell data across mammalian brain, explore and analyze multiple whole brain datasets, identify cell types in brain, brain regions defined by gene expression,

Funding: NIMH MH130919

Availability: Free, Freely available

Resource Name: Allen Brain Cell Atlas

Resource ID: SCR_024440

Record Creation Time: 20230916T050219+0000

Record Last Update: 20260905T133031+0000

Ratings and Alerts

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

No alerts have been found for Allen Brain Cell Atlas.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 50 mentions in open access literature.

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

Gaudi AU, et al. (2026) Convergent evolution of scavenger cell development at brain borders. Nature, 651(8106), 743.

Bhandiwad AA, et al. (2026) A curvilinear coordinate flatmap for visualizing hippocampal structure and development. bioRxiv : the preprint server for biology.

Liu Y, et al. (2026) Functional variants at 1p36.23 confer risk of schizophrenia through modulating RERE. Nature communications, 17(1), 1742.

Shen K, et al. (2026) Spatial perturb-seq: single-cell functional genomics within intact tissue architecture. Nature communications, 17(1).

Li Guan YH, et al. (2026) GPR88 localization to primary cilia in neurons is cell-type specific. Life science alliance, 9(2).

Yang C, et al. (2026) Multi-scale spatial testing recovers gene programs missed by existing detection methods. bioRxiv : the preprint server for biology.

Perez GA, et al. (2026) Neuronal subtype governs amyloid structure, cellular response, and cognitive outcome in genetically targeted APP mouse models. Molecular neurodegeneration, 21(1), 2.

Bertotto LB, et al. (2026) Central amygdala Fkbp5 expression correlates with faster submission and ethanol self-administration reacquisition: Benztropine reduces ethanol relapse-like reacquisition in stressed rats. Neurobiology of stress, 40, 100770.

Cohen L, et al. (2026) Whole-transcriptome-scale isoform-resolved spatial imaging of single cells in tissues. Cell.

Denholtz LE, et al. (2025) PV - Oligodendrocyte Interactions in the Infralimbic Cortex Promote Extracellular Plasticity after Safety Learning. bioRxiv : the preprint server for biology.

Corrigan EK, et al. (2025) Conservation and alteration of mammalian striatal interneurons. Nature, 647(8088), 187.

Lee AJ, et al. (2025) Data-driven fine-grained region discovery in the mouse brain with transformers. Nature communications, 16(1), 8536.

Takahashi M, et al. (2025) The SNARE protein Ykt6 drives insertion of the GluA1 and GluA2 glutamate receptors at synaptic spines during long-term potentiation. The Journal of biological chemistry, 301(10), 110613.

Merello Oyarz??n G, et al. (2025) Evolutionary and Functional Analysis of Monoamine Oxidase F: A Novel Member of the Monoamine Oxidase Gene Family. Genome biology and evolution, 17(2).

Wu Y, et al. (2025) Single-cell landscape of sex-specific drivers of Alzheimer's disease. Alzheimer's & dementia : the journal of the Alzheimer's Association, 21(12), e71041.

Chen H, et al. (2025) A unified analysis of atlas single-cell data. Genome research, 35(5), 1219.

Arya A, et al. (2025) Navigating single-cell RNA-sequencing: protocols, tools, databases, and applications. Genomics & informatics, 23(1), 13.

Olejniczak B, et al. (2025) Transcriptomic analysis of the TRP gene family in human brain physiopathology. Frontiers in molecular neuroscience, 18, 1576941.

Tan SZK, et al. (2025) The Cell Ontology in the age of single-cell omics. ArXiv.

Li H, et al. (2025) Targeting ceramide-induced microglial pyroptosis: Icariin is a promising therapy for Alzheimer's disease. Journal of pharmaceutical analysis, 15(4), 101106.