Resource Summary Report

Generated by dkNET on Apr 18, 2025

Allen Developing Mouse Brain Atlas

RRID:SCR_002990
Type: Tool

Proper Citation

Allen Developing Mouse Brain Atlas (RRID:SCR_002990)

Resource Information

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

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Description: Map of gene expression in developing mouse brain revealing gene expression patterns from embryonic through postnatal stages. Provides information about spatial and temporal regulation of gene expression with database. Feature include seven sagittal reference atlases created with a developmental ontology. These anatomic atlases may be viewed alongside in situ hybridization (ISH) data as well as by itself.

Synonyms: Allen Brain Atlas Developing Mouse Brain

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

Defining Citation: PMID:22832508

Keywords: gene, expression, developing, mouse, brain, pattern, embryonic, postnatal, stage, data, database, reference, atlas, ontology, anatomy, ISH

Funding:

Availability: Free, Public

Resource Name: Allen Developing Mouse Brain Atlas

Resource ID: SCR_002990

Alternate IDs: nif-0000-00509

Record Creation Time: 20220129T080216+0000

Record Last Update: 20250418T055009+0000

Ratings and Alerts

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

No alerts have been found for Allen Developing Mouse Brain Atlas.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 184 mentions in open access literature.

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

Yabut OR, et al. (2025) Aberrant FGF signaling promotes granule neuron precursor expansion in SHH subgroup infantile medulloblastoma. eLife, 13.

Milisav F, et al. (2025) A simulated annealing algorithm for randomizing weighted networks. Nature computational science, 5(1), 48.

Shaker T, et al. (2024) A simple and reliable method for claustrum localization across age in mice. Molecular brain, 17(1), 10.

Huchede P, et al. (2024) BMP2 and BMP7 cooperate with H3.3K27M to promote quiescence and invasiveness in pediatric diffuse midline gliomas. eLife, 12.

Kronman FN, et al. (2024) Developmental mouse brain common coordinate framework. Nature communications, 15(1), 9072.

Jessa S, et al. (2024) FOXR2 targets LHX6+/DLX+ neural lineages to drive CNS neuroblastoma. Cancer research.

Han X, et al. (2024) High-resolution diffusion magnetic resonance imaging and spatial-transcriptomic in developing mouse brain. NeuroImage, 297, 120734.

Chai YC, et al. (2024) Spatially Self-Organized Three-Dimensional Neural Concentroid as a Novel Reductionist Humanized Model to Study Neurovascular Development. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 11(5), e2304421.

Schilling K, et al. (2024) Revisiting the development of cerebellar inhibitory interneurons in

the light of single-cell genetic analyses. Histochemistry and cell biology, 161(1), 5.

Kebschull JM, et al. (2024) Cerebellum Lecture: the Cerebellar Nuclei-Core of the Cerebellum. Cerebellum (London, England), 23(2), 620.

Tao Y, et al. (2024) Generation of locus coeruleus norepinephrine neurons from human pluripotent stem cells. Nature biotechnology, 42(9), 1404.

Nakamura T, et al. (2024) Transcriptomic dysregulation and autistic-like behaviors in Kmt2c haploinsufficient mice rescued by an LSD1 inhibitor. Molecular psychiatry, 29(9), 2888.

Yang F, et al. (2024) Single-cell multi-omics analysis of lineage development and spatial organization in the human fetal cerebellum. Cell discovery, 10(1), 22.

Griswold KA, et al. (2024) Sialic acid and PirB are not required for targeting of neural circuits by neurotropic mammalian orthoreovirus. mSphere, 9(10), e0062924.

Lo Giudice Q, et al. (2024) Developmental emergence of first- and higher-order thalamic neuron molecular identities. Development (Cambridge, England), 151(18).

Gao Y, et al. (2024) Continuous cell type diversification throughout the embryonic and postnatal mouse visual cortex development. bioRxiv : the preprint server for biology.

Potenza ML, et al. (2024) Generation of an enhancer-driven gene expression viral tool specific to dentate granule cell-types through direct hippocampal injection. Frontiers in neuroscience, 18, 1274174.

Casoni F, et al. (2024) A spatial-temporal map of glutamatergic neurogenesis in the murine embryonic cerebellar nuclei uncovers a high degree of cellular heterogeneity. Journal of anatomy, 245(4), 560.

Yim KM, et al. (2024) Cell type-specific dysregulation of gene expression due to Chd8 haploinsufficiency during mouse cortical development. bioRxiv : the preprint server for biology.

Masuda A, et al. (2024) A global gene regulatory program and its region-specific regulator partition neurons into commissural and ipsilateral projection types. Science advances, 10(21), eadk2149.