Resource Summary Report

Generated by dkNET on Aug 14, 2026

Brain RNA-Seq

RRID:SCR_013736
Type: Tool

Proper Citation

Brain RNA-Seq (RRID:SCR_013736)

Resource Information

URL: http://web.stanford.edu/group/barres_lab/brain_rnaseq.html

Proper Citation: Brain RNA-Seq (RRID:SCR_013736)

Description: Database containing RNA-Seq transcriptome and splicing data from glia, neurons, and vascular cells of cerebral cortex. Collection of RNA-Seq transcriptome and splicing data from glia, neurons, and vascular cells of mouse cerebral cortex. RNA-Seq of cell types isolated from mouse and human brain.

Synonyms: Barres Brain RNA-Seq

Resource Type: data or information resource, database

Defining Citation: PMID:25186741, PMID:26687838

Keywords: RNAseq, transcriptome, splicing, data, glia, neuron vascular, cell, cerebral, cortex, mouse, human, brain, FASEB list

Funding: NIMH R01MH09955501;
NINDS R01NS08170301;
NIGMS T32GM007365

Availability: Free, Freely available

Resource Name: Brain RNA-Seq

Resource ID: SCR_013736

Alternate IDs: SCR_017483

Alternate URLs: http://www.brainrnaseq.org/

Record Creation Time: 20220129T080317+0000

Record Last Update: 20260811T043454+0000

Ratings and Alerts

No rating or validation information has been found for Brain RNA-Seq.

No alerts have been found for Brain RNA-Seq.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 156 mentions in open access literature.

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

Liu J, et al. (2026) Recent developments in imaging transcriptomics for psychiatric disorders. Psychoradiology, 6, kkag010.

Loui J, et al. (2026) Neuronal THY1 Signaling Maintains Astrocytes in a Quiescent State. Glia, 74(1), e70083.

Treccarichi S, et al. (2026) A de novo Loss-of-function Variant in RAPGEF6 Supports its Role in Neuropsychiatric Disorders. Journal of molecular neuroscience : MN, 76(2).

Chen F, et al. (2026) CTRP10 is required for optimal motor function. The Journal of biological chemistry, 302(5), 111420.

Saenz-Antoñanzas A, et al. (2026) Differential Gene Expression in Human Hippocampus With Aging. Aging cell, 25(4), e70459.

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

Cummins MJ, et al. (2025) Aging disrupts blood-brain and blood-spinal cord barrier homeostasis, but does not increase paracellular permeability. GeroScience, 47(1), 263.

Hafeez MT, et al. (2025) Transcriptomic Analysis Divulges Differential Expressions of Microglial Genes After Microglial Repopulation in Mice. International journal of molecular sciences, 26(4).

Gao S, et al. (2025) SARM regulates cell apoptosis and inflammation during Toxoplasma gondii infection through a multistep mechanism. Parasites & vectors, 18(1), 103.

Helgueta S, et al. (2025) Park7 deletion leads to sex-specific transcriptome changes involving NRF2-CYP1B1 axis in mouse midbrain astrocytes. NPJ Parkinson's disease, 11(1), 8.

Lachota M, et al. (2025) Coordinated changes in midkine expression and midkine-associated multiomic profile in glioma microenvironment. Scientific reports, 15(1), 30587.

Jian B, et al. (2025) Cerebrospinal fluid quantitative proteomic reveals potential mechanisms and biomarker candidates of children with bacterial meningitis complicated by neurological complications. Clinical proteomics, 22(1), 26.

Ashford BA, et al. (2025) Human amyotrophic lateral sclerosis/motor neuron disease: The disease-associated microglial pathway is upregulated while APOE genotype governs risk and survival. Brain pathology (Zurich, Switzerland), 35(6), e70019.

Wang Y, et al. (2025) The Chimpanzee Brainnetome Atlas reveals distinct connectivity and gene expression profiles relative to humans. Innovation (Cambridge (Mass.)), 6(2), 100755.

Bae Y, et al. (2025) Astrocytic NHERF-1 Increases Seizure Susceptibility by Inhibiting Surface Expression of TREK-1. Glia, 73(4), 720.

Vinci M, et al. (2025) Strengthening the Role of PSMC5 as a Potential Gene Associated with Neurodevelopmental Disorders. International journal of molecular sciences, 26(13).

Wang S, et al. (2025) Microglial RUNX1/RBM47 ablation inhibits neuronal ferroptosis via regulating the cGAS-STING-MEF2C pathway in mice with postoperative cognitive dysfunction. Communications biology, 8(1), 1813.

Foley KE, et al. (2025) Acute Communication Between Microglia and Nonparenchymal Immune Cells in the Anti-A? Antibody-Injected Cortex. The Journal of neuroscience : the official journal of the Society for Neuroscience, 45(5).

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.

Musumeci A, et al. (2025) Potential Association of the CSMD1 Gene with Moderate Intellectual Disability, Anxiety Disorder, and Obsessive-Compulsive Personality Traits. International journal of molecular sciences, 26(9).