# Resource Summary Report

Generated by T1D on Sep 5, 2026

## Brain RNA-Seq

RRID:SCR_017483
Type: Tool

### Proper Citation

Brain RNA-Seq (RRID:SCR_017483)

### Resource Information

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

**Proper Citation:** Brain RNA-Seq (RRID:SCR_017483)

**Description:** 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:** database, data or information resource

**Defining Citation:** PMID:25186741, PMID:26687838

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

**Funding:** NIMH R01 MH09955501;
NINDS R01 NS0817030;
Stanford School of Medicine ;
NIGMS R00 GM95713;
Berry Postdoctoral Fellowship ;
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NIMH R01 MH099555;
JPB foundation ;
Walter V. and Idun Berry Fellowship ;
NINDS K99 NS089780;
NIGMS T32 GM007365

**Availability:** Free, Freely available

**Resource Name:** Brain RNA-Seq

**Resource ID:** SCR_017483

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

**Record Creation Time:** 20220129T080335+0000

**Record Last Update:** 20260903T235426+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 12 mentions in open access literature.

**Listed below are recent publications.** The full list is available at T1D .

Sutton GJ, et al. (2022) Comprehensive evaluation of deconvolution methods for human brain gene expression. Nature communications, 13(1), 1358.

Smit T, et al. (2021) Reactive astrocytes as treatment targets in Alzheimer's disease-Systematic review of studies using the APPswePS1dE9 mouse model. Glia, 69(8), 1852.

Chow HM, et al. (2021) Low-Density Lipoprotein Receptor-Related Protein 6 Cell Surface Availability Regulates Fuel Metabolism in Astrocytes. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 8(16), e2004993.

Bao Z, et al. (2021) Prokineticin-2 prevents neuronal cell deaths in a model of traumatic brain injury. Nature communications, 12(1), 4220.

Tan L, et al. (2021) Changes in genome architecture and transcriptional dynamics progress independently of sensory experience during post-natal brain development. Cell, 184(3), 741.

Gerhartl A, et al. (2020) The pivotal role of micro-environmental cells in a human blood-brain barrier in vitro model of cerebral ischemia: functional and transcriptomic analysis. Fluids and barriers of the CNS, 17(1), 19.

Unger MS, et al. (2020) CD8+ T-cells infiltrate Alzheimer's disease brains and regulate neuronal- and synapse-related gene expression in APP-PS1 transgenic mice. Brain, behavior, and immunity, 89, 67.

Barros-Viegas AT, et al. (2020) miRNA-31 Improves Cognition and Abolishes Amyloid-? Pathology by Targeting APP and BACE1 in an Animal Model of Alzheimer's Disease. Molecular therapy. Nucleic acids, 19, 1219.

Salgado-Polo F, et al. (2020) Sequence-dependent trafficking and activity of GDE2, a GPI-specific phospholipase promoting neuronal differentiation. Journal of cell science, 133(3).

Nagaraja S, et al. (2019) Histone Variant and Cell Context Determine H3K27M Reprogramming of the Enhancer Landscape and Oncogenic State. Molecular cell, 76(6), 965.

Zullo JM, et al. (2019) Regulation of lifespan by neural excitation and REST. Nature, 574(7778), 359.

Bao Z, et al. (2019) Silencing of A20 Aggravates Neuronal Death and Inflammation After Traumatic Brain Injury: A Potential Trigger of Necroptosis. Frontiers in molecular neuroscience, 12, 222.