Resource Summary Report

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Human Brain Transcriptome

RRID:SCR_013742
Type: Tool

Proper Citation

Human Brain Transcriptome (RRID:SCR_013742)

Resource Information

URL: http://hbatlas.org

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Description: A data repository containing transcriptome and associated metadata for the developing and adult human brain. It provides genome-wide, exon-level transcriptome data from both sexes and multiple ethnicities.

Abbreviations: HBT

Resource Type: data or information resource, database

Defining Citation: PMID:19477152

Keywords: human brain, transcriptome data, brain regions, FASEB list

Funding: NIMH U01MH081896

Resource Name: Human Brain Transcriptome

Resource ID: SCR_013742

Record Creation Time: 20220129T080317+0000

Record Last Update: 20260729T044338+0000

Ratings and Alerts

No rating or validation information has been found for Human Brain Transcriptome.

No alerts have been found for Human Brain Transcriptome.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 95 mentions in open access literature.

Listed below are recent publications. The full list is available at kravitz2 .

Mamat M, et al. (2025) Molecular architecture of the altered cortical complexity in autism. Molecular autism, 16(1), 1.

Liu J, et al. (2025) PSMB4: a potential biomarker and therapeutic target for depression, perspective from integration analysis of depression GWAS data and human plasma proteome. Translational psychiatry, 15(1), 62.

Zhong YL, et al. (2025) Genetic mechanisms of dynamic functional connectivity density in diabetic retinopathy brains: a combined transcriptomic and resting-state functional magnetic resonance imaging study. Frontiers in cellular neuroscience, 19, 1476038.

Huang X, et al. (2025) Genetic mechanisms of hemispheric functional connectivity in diabetic retinopathy: a joint neuroimaging and transcriptomic study. Frontiers in cell and developmental biology, 13, 1590627.

Guan M, et al. (2025) Brain connectivity and transcriptional changes induced by rTMS in first-episode major depressive disorder. Translational psychiatry, 15(1), 159.

Zhou C, et al. (2024) Convergent and divergent genes expression profiles associated with brain-wide functional connectome dysfunction in deficit and non-deficit schizophrenia. Translational psychiatry, 14(1), 124.

Yao W, et al. (2024) Associations between the multitrajectory neuroplasticity of neuronavigated rTMS-mediated angular gyrus networks and brain gene expression in AD spectrum patients with sleep disorders. Alzheimer's & dementia : the journal of the Alzheimer's Association, 20(11), 7885.

Choi H, et al. (2024) Case Report: Intellectual disability and borderline intellectual functioning in two sisters with a 12p11.22 loss. Frontiers in genetics, 15, 1355823.

Do QB, et al. (2024) Early deficits in an in vitro striatal microcircuit model carrying the Parkinson's GBA-N370S mutation. NPJ Parkinson's disease, 10(1), 82.

Kaizuka T, et al. (2024) Remodeling of the postsynaptic proteome in male mice and marmosets during synapse development. Nature communications, 15(1), 2496.

Moodie JE, et al. (2024) General and specific patterns of cortical gene expression as spatial correlates of complex cognitive functioning. Human brain mapping, 45(4), e26641.

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

Lederbauer J, et al. (2024) The role of DEAD- and DExH-box RNA helicases in neurodevelopmental disorders. Frontiers in molecular neuroscience, 17, 1414949.

Zhao P, et al. (2024) Analysis of epilepsy-associated variants in HCN3 - Functional implications and clinical observations. Epilepsia open, 9(6), 2294.

Le Grand Q, et al. (2024) Diffusion imaging genomics provides novel insight into early mechanisms of cerebral small vessel disease. Molecular psychiatry, 29(11), 3567.

Lin F, et al. (2024) Replication of previous autism-GWAS hits suggests the association between NAA1, SORCS3, and GSDME and autism in the Han Chinese population. Heliyon, 10(1), e23677.

Yang F, et al. (2024) Missense variants in ANO4 cause sporadic encephalopathic or familial epilepsy with evidence for a dominant-negative effect. American journal of human genetics, 111(6), 1184.

Moodie JE, et al. (2023) General and specific patterns of cortical gene expression as substrates of complex cognitive functioning. bioRxiv : the preprint server for biology.

Cho H, et al. (2023) Adnp-mutant mice with cognitive inflexibility, CaMKII?? hyperactivity, and synaptic plasticity deficits. Molecular psychiatry, 28(8), 3548.

Li Q, et al. (2023) Resting-state brain functional alterations and their genetic mechanisms in drug-naive first-episode psychosis. Schizophrenia (Heidelberg, Germany), 9(1), 13.