

Resource Summary Report

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GENSAT at NCBI - Gene Expression Nervous System Atlas

RRID:SCR_003923

Type: Tool

Proper Citation

GENSAT at NCBI - Gene Expression Nervous System Atlas (RRID:SCR_003923)

Resource Information

URL: http://www.gensat.org/daily_showcase.jsp

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Description: THIS RESOURCE IS NO LONGER IN SERVICE, documented on March 19, 2012. Due to budgetary constraints, the National Center for Biotechnology Information (NCBI) has discontinued support for the NCBI GENSAT database, and it has been removed from the Entrez System. The Gene Expression Nervous System Atlas (GENSAT) project involves the large-scale creation of transgenic mouse lines expressing green fluorescent protein (GFP) reporter or Cre recombinase under control of the BAC promoter in specific neural and glial cell populations. BAC expression data for all the lines generated (over 1300 lines) are available in online, searchable databases (www.gensat.org and the Database of GENSAT BAC-Cre driver lines). If you have any specific questions, please feel free to contact us at info_at_ncbi.nlm.nih.gov. The GENSAT project aims to map the expression of genes in the central nervous system of the mouse, using both in situ hybridization and transgenic mouse techniques. Search criteria include gene names, gene symbols, gene aliases and synonyms, mouse ages, and imaging protocols. Mouse ages are restricted to E10.5 (embryonic day 10.5), E15.5 (embryonic day 15.5), P7 (postnatal day 7), and Adult (adult). The project focuses on two techniques * Evaluation of unmodified mice lines for expression of a given gene using radiolabelled riboprobes and in-situ hybridization. * Creation of transgenic mice lines containing a BAC construct that expresses a marker gene in the same environment as the native gene

Abbreviations: NCBI GENSAT Database

Resource Type: data or information resource, database

Defining Citation: [PMID:23457350](#)

Keywords: mouse, central nervous system, neuron, transgenic mouse, transgenic mouse line, cell line, in-situ hybridization, gene expression, embryonic, postnatal, adult, radiolabelled riboprobe, bac, gold standard

Funding: NINDS

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: GENSAT at NCBI - Gene Expression Nervous System Atlas

Resource ID: SCR_003923

Alternate IDs: nif-0000-02905

Old URLs: <http://www.ncbi.nlm.nih.gov/projects/gensat/>

Record Creation Time: 20220129T080221+0000

Record Last Update: 20260821T193719+0000

Ratings and Alerts

No rating or validation information has been found for GENSAT at NCBI - Gene Expression Nervous System Atlas.

No alerts have been found for GENSAT at NCBI - Gene Expression Nervous System Atlas.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Chatonnet F, et al. (2012) Genome-wide search reveals the existence of a limited number of thyroid hormone receptor alpha target genes in cerebellar neurons. PloS one, 7(5), e30703.

Liu Z, et al. (2010) Thymus-associated parathyroid hormone has two cellular origins with distinct endocrine and immunological functions. PLoS genetics, 6(12), e1001251.

Chowdhury TG, et al. (2010) Fate of cajal-retzius neurons in the postnatal mouse neocortex. Frontiers in neuroanatomy, 4, 10.