

Resource Summary Report

Generated by [dkNET](#) on Sep 4, 2026

N1E-115

RRID:CVCL_0451

Type: Cell Line

Proper Citation

ECACC Cat# 88112303, RRID:CVCL_0451

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0451

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Description: Cell line N1E-115 is a Cancer cell line with a species of origin Mus musculus (Mouse)

Sex: Male

Disease: Mouse neuroblastoma

Defining Citation: [PMID:2759161](#), [PMID:3756898](#), [PMID:4063972](#), [PMID:4400294](#)

Comments: Characteristics: Adrenergic clone of C-1300.

Category: Cancer cell line

Organism: Mus musculus (Mouse)

Name: N1E-115

Synonyms: N1E115, NIE-115, NIE 115

Cross References: BTO:BTO_0001909, CLO:CLO_0007922, EFO:EFO_0022740, MCCL:MCC:0000348, CLDB:cl3621, CLDB:cl4996, ATCC:CRL-2263, ChEMBL-Cells:ChEMBL3307973, ChEMBL-Targets:ChEMBL612553, ECACC:88112303, Lonza:54, PubChem_Cell_line:CVCL_0451, Wikidata:Q54907324

ID: CVCL_0451

Vendor: ECACC

Catalog Number: 88112303

Hierarchy: cvcl_4343

Record Creation Time: 20220427T220831+0000

Record Last Update: 20260904T014717+0000

Ratings and Alerts

No rating or validation information has been found for N1E-115.

No alerts have been found for N1E-115.

Data and Source Information

Source: [CelloSaurus](#)

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Wang X, et al. (2026) miR-151-5p regulates neural stem cell fate by targeting APH1A to modulate Notch signaling gradients. Stem cell reports, 21(6), 102927.

Magalhães J, et al. (2025) Rac1 inhibition prevents axonal cytoskeleton dysfunction in transthyretin amyloid polyneuropathy. Cell reports, 44(10), 116411.

Kroon C, et al. (2025) Phosphorylation of presynaptic PLPPR3 controls synaptic vesicle release. iScience, 28(9), 113435.

Gatica-Garcia B, et al. (2024) Unilateral rNurr1-V5 transgene expression in nigral dopaminergic neurons mitigates bilateral neuropathology and behavioral deficits in parkinsonian rats with α -synucleinopathy. Neural regeneration research, 19(9), 2057.

Wienke J, et al. (2024) Integrative analysis of neuroblastoma by single-cell RNA sequencing identifies the NECTIN2-TIGIT axis as a target for immunotherapy. Cancer cell, 42(2), 283.

Borsdorf S, et al. (2024) The cell adhesion molecule CD44 acts as a modulator of 5-HT7 receptor functions. Cell communication and signaling : CCS, 22(1), 563.

Van Deusen AL, et al. (2024) A single-cell mass cytometry-based atlas of the developing mouse brain. Nature neuroscience.

Wei Y, et al. (2024) Sirt6 regulates the proliferation of neural precursor cells and cortical neurogenesis in mice. iScience, 27(2), 108706.

Minakhina S, et al. (2024) Regulation of hypothalamic reactive oxygen species and feeding behavior by phosphorylation of the beta 2 thyroid hormone receptor isoform.

Scientific reports, 14(1), 7200.

Ilchibaeva T, et al. (2022) Serotonin Receptor 5-HT_{2A} Regulates TrkB Receptor Function in Heteroreceptor Complexes. *Cells*, 11(15).

Vrenken KS, et al. (2020) The transcriptional repressor SNAI2 impairs neuroblastoma differentiation and inhibits response to retinoic acid therapy. *Biochimica et biophysica acta. Molecular basis of disease*, 1866(3), 165644.

Veremeyko T, et al. (2019) Neuronal extracellular microRNAs miR-124 and miR-9 mediate cell-cell communication between neurons and microglia. *Journal of neuroscience research*, 97(2), 162.

Brosig A, et al. (2019) The Axonal Membrane Protein PRG2 Inhibits PTEN and Directs Growth to Branches. *Cell reports*, 29(7), 2028.

Shu P, et al. (2019) Opposing Gradients of MicroRNA Expression Temporally Pattern Layer Formation in the Developing Neocortex. *Developmental cell*, 49(5), 764.

Li L, et al. (2019) The COMPASS Family Protein ASH2L Mediates Corticogenesis via Transcriptional Regulation of Wnt Signaling. *Cell reports*, 28(3), 698.