Resource Summary Report

Generated by dkNET on Sep 12, 2026

Neuro-2a

RRID:CVCL_0470
Type: Cell Line

Proper Citation

TKG Cat# TKG 0509, RRID:CVCL_0470

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0470

Proper Citation: TKG Cat# TKG 0509, RRID:CVCL_0470

Description: Cell line Neuro-2a is a Cancer cell line with a species of origin Mus musculus (Mouse)

Sex: Male

Disease: Mouse neuroblastoma

Defining Citation: PMID:11470893, PMID:14504404, PMID:19903493, PMID:25193168, PMID:25277546, PMID:25565633, PMID:35339896, PMID:37333171, PMID:39594637

Comments: Miscellaneous: STR profile from personal communication of Rodriguez-Tarduchy Segovia, Gemma., Karyotypic information: Has a hyper-tetraploid karyotype. Has lost chromosome Y (PubMed=39594637)., Characteristics: Capable of differentiating into various types of neurons.

Category: Cancer cell line

Organism: Mus musculus (Mouse)

Name: Neuro-2a

Synonyms: NEURO-2A, Neuro 2a, Neuro2a, Neuro2A, N-2a, N2a, N2A, Nb2a, NB2a

Cross References: BTO:BTO_0001976, CLO:CLO_0008154, CLO:CLO_0050180, EFO:EFO_0022756, MCCL:MCC:0000368, CLDB:cl3682, CLDB:cl3683, CLDB:cl3684, CLDB:cl3685, CLDB:cl4956, CLDB:cl5236, Abcam:ab279975, ATCC:CCL-131, BCRC:60026, BCRJ:0189, BioGRID_ORCS_Cell_line:1373, CCLV:CCLV-RIE 0132, CCRID:1101MOU-PUMC000291, CCRID:3101MOUSCSP5035, CCRID:3101MOUTCM29, CCRID:4201MOU-CCTCC00162, CCTCC:GDC0162, ChEMBL-Cells:CHEMBL3307521, ChEMBL-Targets:CHEMBL614062, CLS:400394,

DSMZ:ACC-148, DSMZCellDive:ACC-148, ECACC:89121404, Hysigen:TCM-C750, ICLC:ATL99007, IZSLER:BS TCL 128, JCRB:IFO50081, KCB:KCB 2014025YJ, Lonza:451, PRIDE:PXD000065, PRIDE:PXD000666, PRIDE:PXD002290, PRIDE:PXD018875, PubChem_Cell_line:CVCL_0470, RCB:RCB2639, TKG:TKG 0509, TOKU-E:2746, TOKU-E:3552, TOKU-E:3563, Wikidata:Q18391478

ID: CVCL_0470

Vendor: TKG

Catalog Number: TKG 0509

Hierarchy: cvcl_4343

Record Creation Time: 20220427T221337+0000

Record Last Update: 20260905T181913+0000

Ratings and Alerts

No rating or validation information has been found for Neuro-2a.

No alerts have been found for Neuro-2a.

Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 1913 mentions in open access literature.

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

Antonides-Jensen N, et al. (2026) Histotripsy-initiated immune response synergizes with chemotherapy in a neuroblastoma murine model. bioRxiv : the preprint server for biology.

Dong Y, et al. (2026) KSRP-dependent immunogenic cell death induced by pyridazinone derivative IMB5036 drives antitumor immunity in neuroblastoma. FEBS letters.

Abdelmageed M, et al. (2026) An altered cell-specific subcellular distribution of translesion synthesis DNA polymerase kappa (POLK) in aging mouse neurons. eLife, 13.

Fu Q, et al. (2026) Alternative splicing of Scn9a exon 5: mechanistic insights and therapeutic potential in pain disorders. Human molecular genetics, 35(9).

Omachi K, et al. (2026) Glomerular basement membrane structural integrity dictates trans-tissue deposition of laminin in the kidney. Cell reports, 45(3), 117006.

Zou Y, et al. (2026) Blood-brain barrier-penetrative lipid nanoparticles enable systemic delivery of TRIM11 mRNA to disaggregate Tau in Alzheimer's disease models. Cell

reports. Medicine, 7(3), 102685.

Berkhout JB, et al. (2026) FOXP1 is differentially active during development of murine vasopressin and oxytocin magnocellular neurons. iScience, 29(5), 115604.

Lan TH, et al. (2026) A single-component optogenetic toolkit for reversible visualization and programmable control of microtubule dynamics. Cell reports methods, 101532.

Zhang B, et al. (2026) FOXG1 Hierarchically Shapes Synaptic Functions in Striatal iSPNs and Contributes to ASD Etiology. Neuroscience bulletin, 42(5), 1059.

Aoki S, et al. (2026) E3 ligase Praja1 mediates ubiquitination and degradation of microtubule-associated protein tau. The FEBS journal, 293(8), 2212.

Wang C, et al. (2026) GRP78 promotes rabies virus entry through interacting with viral receptors. Journal of virology, 100(5), e0003926.

An S, et al. (2026) Regulatory role of GLUT1 in lead-induced neurotoxicity and the neuroprotective effect of Morinda officinalis oligosaccharides. iScience, 29(4), 115342.

Riba J, et al. (2026) Synaptic attenuation by human alpha-synuclein depends on two amino acids in its C-terminal tail. Neurobiology of disease, 225, 107437.

Gao F, et al. (2026) eIF4E-Dependent Translation Potentially Regulates Apoptosis and BDNF/TrkB Signaling in the Medial Prefrontal Cortex During Morphine-Induced CPP. International journal of molecular sciences, 27(11).

Wang S, et al. (2026) EGR Proteins Mediate Interferon-Independent Anti-HSV-1 Responses Through Viral and Host Targets. Advanced science (Weinheim, Baden-Wurttemberg, Germany), e15546.

Enomoto M, et al. (2026) CCT4 promotes tunneling nanotube formation. FEBS letters, 600(1), 39.

Wang Y, et al. (2026) CLN3 mediates chloride efflux from lysosomes. Neuron, 114(5), 868.

Du R, et al. (2026) miRNA modules for precise, tunable control of gene expression. Molecular cell, 86(1), 194.

Lu IL, et al. (2026) Hypoxia-inducible factor signaling regulates embryonic interneuron development, GRIN2B expression and adult cortical function. Developmental cell, 61(4), 773.

Dong W, et al. (2026) Restoring cardiolipin homeostasis mitigates cerebral ischemia-reperfusion injury by suppressing ATG5-mediated neuronal autophagy-dependent ferroptosis. Journal of advanced research.