Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 7, 2025

NB4

RRID:CVCL_0005
Type: Cell Line

Proper Citation

(RRID:CVCL_0005)

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0005

Proper Citation: (RRID:CVCL_0005)

Sex: Female

Defining Citation: PMID:1453773, PMID:1995093, PMID:7630193, PMID:9737686, PMID:11704857, PMID:12353268, PMID:14504097, PMID:15843827, PMID:16408098, PMID:22460905, PMID:23325432, PMID:23955599, PMID:25877200, PMID:25894527, PMID:25984343, PMID:26589293, PMID:27397505, PMID:30285677, PMID:30629668, PMID:30894373, PMID:31068700, PMID:31160637, PMID:35839778

Comments: Omics: Transcriptome analysis by RNAseq., Omics: Transcriptome analysis by microarray., Omics: SNP array analysis., Omics: shRNA library screening., Omics: DNA methylation analysis., Omics: Deep quantitative proteome analysis., Omics: Deep exome analysis., Omics: Deep antibody staining analysis., Omics: H3K4me3 ChIP-seq epigenome analysis., Omics: CTCF ChIP-seq epigenome analysis., Omics: Cell surface proteome., Population: Caucasian., Part of: LL-100 blood cancer cell line panel., Part of: ENCODE project common cell types; tier 3., Part of: COSMIC cell lines project., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE)., Group: Patented cell line.

Category: Cancer cell line

Name: NB4

Synonyms: NB-4, NB.4

Cross References: BTO:BTO_0002136, CLO:CLO_0007947, EFO:EFO_0002798, MCCL:MCC:0000350, CLDB:cl3643, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-

2770, ArrayExpress:E-MTAB-3610, ArrayExpress:E-MTAB-7721, ArrayExpress:E-MTAB-7722, BioGRID_ORCS_Cell_line:212, BioSample:SAMN03470835, BioSample:SAMN10988571, cancercelllines:CVCL_0005, Cell_Model_Passport:SIDM00428, ChEMBL-Cells:CHEMBL3308423, ChEMBL-Targets:CHEMBL614188, CLS:300299, Cosmic:787463, Cosmic:850391, Cosmic:922661, Cosmic:924050, Cosmic:975285, Cosmic:981582, Cosmic:996313, Cosmic:1012107, Cosmic:1037664, Cosmic:1070692, Cosmic:1078721, Cosmic:1089522, Cosmic:1127257, Cosmic:1181601, Cosmic:1523826, Cosmic:1524838, Cosmic:1601063, Cosmic:1604862, Cosmic:1779130, Cosmic:2036677, Cosmic:2089653, Cosmic:2131548, Cosmic:2306227, Cosmic:2579202, Cosmic-CLP:1323913, DepMap:ACH-000294, DSMZ:ACC-207, DSMZCellDive:ACC-207, EGA:EGAS00001000978, ENCODE:ENCBS032SIL, ENCODE:ENCBS259AAA, ENCODE:ENCBS390ENC, GDSC:1323913, GEO:GSM236798, GEO:GSM236834, GEO:GSM472929, GEO:GSM510512, GEO:GSM510513, GEO:GSM887349, GEO:GSM888426, GEO:GSM945252, GEO:GSM945275, GEO:GSM749716, GEO:GSM1022643, GEO:GSM1374696, GEO:GSM1374697, GEO:GSM1446740, GEO:GSM1670151, IARC_TP53:21530, IARC_TP53:21705, LiGeA:CCLE_910, LINCS_LDP:LCL-1084, Lonza:749, NCBI_Iran:C515, PharmacoDB:NB4_990_2019, PRIDE:PXD000589, PRIDE:PXD001610, PRIDE:PXD030304, Progenetix:CVCL_0005, PubChem_Cell_line:CVCL_0005, Ubigene:YC-C122, Wikidata:Q54907527

ID: CVCL_0005

Record Creation Time: 20250131T201450+0000

Record Last Update: 20250131T203124+0000

Ratings and Alerts

No rating or validation information has been found for NB4.

No alerts have been found for NB4.

Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 39 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Chang YH, et al. (2024) SETDB1 suppresses NK cell-mediated immunosurveillance in acute myeloid leukemia with granulo-monocytic differentiation. Cell reports, 43(8), 114536.

Pallavi R, et al. (2024) Caloric restriction leads to druggable LSD1-dependent cancer stem cells expansion. Nature communications, 15(1), 828.

Guo HZ, et al. (2024) A CD36-dependent non-canonical lipid metabolism program promotes immune escape and resistance to hypomethylating agent therapy in AML. Cell reports. Medicine, 5(6), 101592.

Santana-Hernández J, et al. (2024) Acute promyelocytic leukemia with PML/RARA (bcr1, bcr2 and bcr3) transcripts in a pediatric patient. Oncology letters, 27(3), 114.

Wang P, et al. (2024) Foretinib Is Effective in Acute Myeloid Leukemia by Inhibiting FLT3 and Overcoming Secondary Mutations That Drive Resistance to Quizartinib and Gilteritinib. Cancer research, 84(6), 905.

Han L, et al. (2023) METTL16 drives leukemogenesis and leukemia stem cell self-renewal by reprogramming BCAA metabolism. Cell stem cell, 30(1), 52.

Miari KE, et al. (2023) Stromal bone marrow fibroblasts and mesenchymal stem cells support acute myeloid leukaemia cells and promote therapy resistance. British journal of pharmacology.

Deng S, et al. (2023) Downregulation of RCN1 promotes pyroptosis in acute myeloid leukemia cells. Molecular oncology, 17(12), 2584.

Park SM, et al. (2023) Dual IKZF2 and CK1? degrader targets acute myeloid leukemia cells. Cancer cell, 41(4), 726.

Ng M, et al. (2023) Myeloid leukemia vulnerabilities embedded in long noncoding RNA locus MYNRL15. iScience, 26(10), 107844.

Blöchl C, et al. (2023) Transcriptionally imprinted glycomic signatures of acute myeloid leukemia. Cell & bioscience, 13(1), 31.

Li F, et al. (2022) Characterization of the Newly Established Homoharringtonine- (HHT-) Resistant Cell Lines and Mechanisms of Resistance. Journal of oncology, 2022, 2813938.

Hernández-Malmierca P, et al. (2022) Antigen presentation safeguards the integrity of the hematopoietic stem cell pool. Cell stem cell, 29(5), 760.

Zhao H, et al. (2022) Opioid receptor signaling suppresses leukemia through both catalytic and non-catalytic functions of TET2. Cell reports, 38(4), 110253.

Jablonowski CM, et al. (2022) TERT Expression in Wilms Tumor Is Regulated by Promoter Mutation or Hypermethylation, WT1, and N-MYC. Cancers, 14(7).

Jayavelu AK, et al. (2022) The proteogenomic subtypes of acute myeloid leukemia. Cancer cell, 40(3), 301.

Han C, et al. (2022) Chromatin-associated orphan snoRNA regulates DNA damage-mediated differentiation via a non-canonical complex. Cell reports, 38(13), 110421.

Li B, et al. (2022) Mechanical phenotyping reveals unique biomechanical responses in retinoic acid-resistant acute promyelocytic leukemia. iScience, 25(2), 103772.

Zhang SM, et al. (2021) NUDT15-mediated hydrolysis limits the efficacy of anti-HCMV drug ganciclovir. Cell chemical biology, 28(12), 1693.

Su H, et al. (2021) Methylation of dual-specificity phosphatase 4 controls cell differentiation. Cell reports, 36(4), 109421.