Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 27, 2025

G-401

RRID:CVCL_0270
Type: Cell Line

Proper Citation

(RRID:CVCL_0270)

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0270

Proper Citation: (RRID:CVCL_0270)

Sex: Male

Defining Citation: PMID:8382007, PMID:9671307, PMID:10397258, PMID:10602515, PMID:20164919, PMID:20215515, PMID:22460905, PMID:25877200, PMID:26351324, PMID:27397505, PMID:28945250, PMID:30894373, PMID:30924592, PMID:31068700, PMID:31978347, PMID:35839778

Comments: Omics: Transcriptome analysis by RNAseq., Omics: Transcriptome analysis by microarray., Omics: SNP array analysis., Omics: H3K4me3 ChIP-seq epigenome analysis., Omics: H3K27me3 ChIP-seq epigenome analysis., Omics: H3K27ac ChIP-seq epigenome analysis., Omics: DNA methylation analysis., Omics: Deep quantitative proteome analysis., Omics: Deep exome analysis., Population: Caucasian., Part of: COSMIC cell lines project., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE)., Problematic cell line: Misclassified. Originally thought to be a Wilms tumor cell line but is a kidney rhabdoid tumor cell line (PubMed=8382007; PubMed=30924592)..

Category: Cancer cell line

Name: G-401

Synonyms: G401, G 401

Cross References: BTO:BTO_0002586, CLO:CLO_0003434, EFO:EFO_0002179, MCCL:MCC:0000161, CLDB:cl1409, 4DN:4DNSR6XERO32, ArrayExpress:E-MTAB-38, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610,

ATCC:CRL-1441, BCRJ:0418, BioSample:SAMN03470969, BioSample:SAMN03472819, BioSample:SAMN10987919, cancercelllines:CVCL_0270, CCRID:1101HUM-PUMC000034, Cell_Model_Passport:SIDM00856, ChEMBL-Cells:CHEMBL3308394, ChEMBL-Targets:CHEMBL613509, Cosmic:683682, Cosmic:802044, Cosmic:802245, Cosmic:907299, Cosmic-CLP:907299, DepMap:ACH-000096, ECACC:87042204, EGA:EGAS00001000978, ENCODE:ENCBS062JBT, ENCODE:ENCBS432GBV, ENCODE:ENCBS629BMK, ENCODE:ENCBS659PBH, GDSC:907299, GEO:GSM827165, GEO:GSM887017, GEO:GSM888086, GEO:GSM1669799, GEO:GSM1676299, GEO:GSM1701634, GEO:GSM2033123, GEO:GSM2033124, GEO:GSM2033125, GEO:GSM2033126, GEO:GSM2033127, GEO:GSM2033128, GEO:GSM2409659, GEO:GSM2409660, GEO:GSM2409661, GEO:GSM2409662, GEO:GSM2409663, GEO:GSM2495985, GEO:GSM2787352, IARC_TP53:21334, IGRhCellID:G401, JCRB:JCRB9065, LiGeA:CCLE_546, LINCS_LDP:LCL-1511, PharmacoDB:G401_374_2019, PRIDE:PXD030304, Progenetix:CVCL_0270, PubChem_Cell_line:CVCL_0270, TOKU-E:1303, Wikidata:Q54835347

ID: CVCL_0270

Record Creation Time: 20220427T215856+0000

Record Last Update: 20250420T110109+0000

Ratings and Alerts

No rating or validation information has been found for G-401.

Warning: Problematic cell line: Misclassified. Originally thought to be a Wilms tumor cell line but is a kidney rhabdoid tumor cell line (PubMed=8382007).
Omics: Transcriptome analysis by RNAseq., Omics: Transcriptome analysis by microarray., Omics: SNP array analysis., Omics: H3K4me3 ChIP-seq epigenome analysis., Omics: H3K27me3 ChIP-seq epigenome analysis., Omics: H3K27ac ChIP-seq epigenome analysis., Omics: DNA methylation analysis., Omics: Deep quantitative proteome analysis., Omics: Deep exome analysis., Population: Caucasian., Part of: COSMIC cell lines project., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE)., Problematic cell line: Misclassified. Originally thought to be a Wilms tumor cell line but is a kidney rhabdoid tumor cell line (PubMed=8382007; PubMed=30924592)..

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 FDI Lab - SciCrunch.org.

Dexheimer TS, et al. (2023) Multicellular Complex Tumor Spheroid Response to DNA Repair Inhibitors in Combination with DNA-damaging Drugs. Cancer research communications, 3(8), 1648.

Drosos Y, et al. (2022) NSD1 mediates antagonism between SWI/SNF and polycomb complexes and is required for transcriptional activation upon EZH2 inhibition. Molecular cell, 82(13), 2472.

Coutinho DF, et al. (2022) Validation of a non-oncogene encoded vulnerability to exportin 1 inhibition in pediatric renal tumors. Med (New York, N.Y.), 3(11), 774.

Liu H, et al. (2022) Small-molecule allosteric inhibitors of GPX4. Cell chemical biology, 29(12), 1680.

Graf M, et al. (2022) Single-cell transcriptomics identifies potential cells of origin of MYC rhabdoid tumors. Nature communications, 13(1), 1544.

Maor-Nof M, et al. (2021) p53 is a central regulator driving neurodegeneration caused by C9orf72 poly(PR). Cell, 184(3), 689.

Msaouel P, et al. (2020) Comprehensive Molecular Characterization Identifies Distinct Genomic and Immune Hallmarks of Renal Medullary Carcinoma. Cancer cell, 37(5), 720.

Hsu JH, et al. (2020) EED-Targeted PROTACs Degrade EED, EZH2, and SUZ12 in the PRC2 Complex. Cell chemical biology, 27(1), 41.

Valencia AM, et al. (2019) Recurrent SMARCB1 Mutations Reveal a Nucleosome Acidic Patch Interaction Site That Potentiates mSWI/SNF Complex Chromatin Remodeling. Cell, 179(6), 1342.

Qadeer ZA, et al. (2019) ATRX In-Frame Fusion Neuroblastoma Is Sensitive to EZH2 Inhibition via Modulation of Neuronal Gene Signatures. Cancer cell, 36(5), 512.

Oberlick EM, et al. (2019) Small-Molecule and CRISPR Screening Converge to Reveal Receptor Tyrosine Kinase Dependencies in Pediatric Rhabdoid Tumors. Cell reports, 28(9), 2331.

Hong AL, et al. (2019) Renal medullary carcinomas depend upon SMARCB1 loss and are sensitive to proteasome inhibition. eLife, 8.

Carugo A, et al. (2019) p53 Is a Master Regulator of Proteostasis in SMARCB1-Deficient Malignant Rhabdoid Tumors. Cancer cell, 35(2), 204.

Yamagishi M, et al. (2019) Targeting Excessive EZH1 and EZH2 Activities for Abnormal Histone Methylation and Transcription Network in Malignant Lymphomas. Cell reports, 29(8), 2321.

Winter GE, et al. (2017) BET Bromodomain Proteins Function as Master Transcription Elongation Factors Independent of CDK9 Recruitment. Molecular cell, 67(1), 5.