Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 13, 2025

Caki-1

RRID:CVCL_0234
Type: Cell Line

Proper Citation

(RRID:CVCL_0234)

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0234

Proper Citation: (RRID:CVCL_0234)

Sex: Male

Defining Citation: PMID:327080, PMID:571047, PMID:833871, PMID:2041050, PMID:3335022, PMID:3518877, PMID:6244232, PMID:6582512, PMID:6935474, PMID:7017212, PMID:7459858, PMID:7591954, PMID:9290701, PMID:10700174, PMID:10723130, PMID:10929426, PMID:11146448, PMID:15604581, PMID:15748285, PMID:17088437, PMID:17212712, PMID:17804913, PMID:19372543, PMID:20164919, PMID:20215515, PMID:22068913, PMID:22347499, PMID:22384151, PMID:22460905, PMID:22628656, PMID:22949125, PMID:23856246, PMID:23933261, PMID:24279929, PMID:24477694, PMID:24670534, PMID:25485619, PMID:25877200, PMID:25984343, PMID:26589293, PMID:26972028, PMID:27141528, PMID:27377824, PMID:27397505, PMID:27807467, PMID:27993170, PMID:28196595, PMID:28489074, PMID:30260228, PMID:30894373, PMID:31068700, PMID:31978347, PMID:35839778, PMID:37668370

Comments: Omics: Transcriptome analysis by RNAseq., Omics: Transcriptome analysis by microarray., Omics: SNP array analysis., Omics: Protein expression by reverse-phase protein arrays., Omics: Metabolome analysis., Omics: lncRNA expression profiling., Omics: GPI-anchored proteins analysis by proteomics., Omics: Fluorescence phenotype profiling., Omics: DNA methylation analysis., Omics: Deep quantitative proteome analysis., Omics: Deep proteome analysis., Omics: Deep exome analysis., Omics: CNV analysis., Omics: Array-based CGH., Virology: Susceptible to infection by human coronavirus 229E (HCoV-229E), Middle East respiratory syndrome-related coronavirus (MERS-CoV), influenza A virus and respiratory syncytial virus (RSV) (PubMed=37668370)., Virology: Susceptible to infection by SARS coronavirus 2 (SARS-CoV-2) (COVID-19) (PubMed=37668370)., Population: Caucasian., From: Memorial Sloan Kettering Cancer Center; New York; USA., Part of: NCI-60 cancer cell line panel., Part of: MD Anderson Cell Lines Project., Part of: COSMIC cell lines project., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line

Encyclopedia - CCLE).

Category: Cancer cell line

Name: Caki-1

Synonyms: CAKI-1, CaKi-1, caki-1, CAKI.1, CAKI 1, CAKI1, Caki1

Cross References: BTO:BTO_0003204, CLO:CLO_0002175, CLO:CLO_0002176, EFO:EFO_0002149, MCCL:MCC:0000123, CLDB:cl623, CLDB:cl5175, ArrayExpress:E-MTAB-38, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610, ATCC:HTB-46, BioGRID_ORCS_Cell_line:582, BioSample:SAMN01821541, BioSample:SAMN01821674, BioSample:SAMN03473223, BioSample:SAMN10987640, cancercelllines:CVCL_0234, CancerTools:161903, CCRID:1101HUM-PUMC000244, CCRID:3101HUMSCSP5064, CCRID:3101HUMTCHu135, Cell_Model_Passport:SIDM00941, ChEMBL-Cells:CHEMBL3307522, ChEMBL-Targets:CHEMBL614067, CLS:300149, Cosmic:687940, Cosmic:801356, Cosmic:849379, Cosmic:874611, Cosmic:875871, Cosmic:897463, Cosmic:905963, Cosmic:974303, Cosmic:979705, Cosmic:1044261, Cosmic:1092594, Cosmic:1305375, Cosmic:1312363, Cosmic:1998436, Cosmic:2036675, Cosmic:2301558, Cosmic:2520632, Cosmic-CLP:905963, DepMap:ACH-000433, DSMZ:ACC-142, DSMZ:ACC-731, DSMZCellDive:ACC-731, EGA:EGAS00001000610, EGA:EGAS00001000978, GDSC:905963, GEO:GSM2147, GEO:GSM50229, GEO:GSM50293, GEO:GSM743483, GEO:GSM750816, GEO:GSM799374, GEO:GSM799437, GEO:GSM846288, GEO:GSM886902, GEO:GSM887967, GEO:GSM1153447, GEO:GSM1177994, GEO:GSM1177995, GEO:GSM1181288, GEO:GSM1181368, GEO:GSM1669644, GEO:GSM2124663, IARC_TP53:21041, IGRhCellID:Caki1, IPD-IMGT/HLA:13865, IZSLER:BS TCL 108, JCRB:JCRB0801, KCB:KCB 200850YJ, KCLB:30046, LiGeA:CCLE_484, LINCS_LDP:LCL-1774, MetaboLights:MTBLS737, NCI-DTP:CAKI-1, PharmacoDB:CAKI1_163_2019, PRIDE:PXD003105, PRIDE:PXD005942, PRIDE:PXD005946, PRIDE:PXD030304, Progenetix:CVCL_0234, PubChem_Cell_line:CVCL_0234, RCB:RCB1985, SKY/M-FISH/CGH:2790, TKG:TKG 0436, Wikidata:Q54808374

ID: CVCL_0234

Record Creation Time: 20220427T215438+0000

Record Last Update: 20250131T100358+0000

Ratings and Alerts

No rating or validation information has been found for Caki-1.

Warning: Discontinued: RCB; RCB1985
Omics: Transcriptome analysis by RNAseq., Omics: Transcriptome analysis by microarray., Omics: SNP array analysis., Omics: Protein expression by reverse-phase protein arrays., Omics: Metabolome analysis., Omics: lncRNA expression profiling., Omics: GPI-anchored proteins analysis by proteomics., Omics: Fluorescence phenotype profiling., Omics: DNA

methylation analysis., Omics: Deep quantitative proteome analysis., Omics: Deep proteome analysis., Omics: Deep exome analysis., Omics: CNV analysis., Omics: Array-based CGH., Virology: Susceptible to infection by human coronavirus 229E (HCoV-229E), Middle East respiratory syndrome-related coronavirus (MERS-CoV), influenza A virus and respiratory syncytial virus (RSV) (PubMed=37668370)., Virology: Susceptible to infection by SARS coronavirus 2 (SARS-CoV-2) (COVID-19) (PubMed=37668370)., Population: Caucasian., From: Memorial Sloan Kettering Cancer Center; New York; USA., Part of: NCI-60 cancer cell line panel., Part of: MD Anderson Cell Lines Project., Part of: COSMIC cell lines project., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE). Warning: Discontinued: DSMZ; ACC-142
Omics: Transcriptome analysis by RNAseq., Omics: Transcriptome analysis by microarray., Omics: SNP array analysis., Omics: Protein expression by reverse-phase protein arrays., Omics: Metabolome analysis., Omics: lncRNA expression profiling., Omics: GPI-anchored proteins analysis by proteomics., Omics: Fluorescence phenotype profiling., Omics: DNA methylation analysis., Omics: Deep quantitative proteome analysis., Omics: Deep proteome analysis., Omics: Deep exome analysis., Omics: CNV analysis., Omics: Array-based CGH., Virology: Susceptible to infection by human coronavirus 229E (HCoV-229E), Middle East respiratory syndrome-related coronavirus (MERS-CoV), influenza A virus and respiratory syncytial virus (RSV) (PubMed=37668370)., Virology: Susceptible to infection by SARS coronavirus 2 (SARS-CoV-2) (COVID-19) (PubMed=37668370)., Population: Caucasian., From: Memorial Sloan Kettering Cancer Center; New York; USA., Part of: NCI-60 cancer cell line panel., Part of: MD Anderson Cell Lines Project., Part of: COSMIC cell lines project., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE). Warning: Discontinued: TKG; TKG 0436
Omics: Transcriptome analysis by RNAseq., Omics: Transcriptome analysis by microarray., Omics: SNP array analysis., Omics: Protein expression by reverse-phase protein arrays., Omics: Metabolome analysis., Omics: lncRNA expression profiling., Omics: GPI-anchored proteins analysis by proteomics., Omics: Fluorescence phenotype profiling., Omics: DNA methylation analysis., Omics: Deep quantitative proteome analysis., Omics: Deep proteome analysis., Omics: Deep exome analysis., Omics: CNV analysis., Omics: Array-based CGH., Virology: Susceptible to infection by human coronavirus 229E (HCoV-229E), Middle East respiratory syndrome-related coronavirus (MERS-CoV), influenza A virus and respiratory syncytial virus (RSV) (PubMed=37668370)., Virology: Susceptible to infection by SARS coronavirus 2 (SARS-CoV-2) (COVID-19) (PubMed=37668370)., Population: Caucasian., From: Memorial Sloan Kettering Cancer Center; New York; USA., Part of: NCI-60 cancer cell line panel., Part of: MD Anderson Cell Lines Project., Part of: COSMIC cell lines project., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE).

Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 903 mentions in open access literature.

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

Xu S, et al. (2024) Development of a PAK4-targeting PROTAC for renal carcinoma therapy: concurrent inhibition of cancer cell proliferation and enhancement of immune cell response. EBioMedicine, 104, 105162.

Li F, et al. (2024) Integrated machine learning reveals the role of tryptophan metabolism in clear cell renal cell carcinoma and its association with patient prognosis. Biology direct, 19(1), 132.

Bai Y, et al. (2024) Amiloride reduces fructosamine-3-kinase expression to restore sunitinib sensitivity in renal cell carcinoma. iScience, 27(6), 109997.

Shu G, et al. (2024) PABPC1L Induces IDO1 to Promote Tryptophan Metabolism and Immune Suppression in Renal Cell Carcinoma. Cancer research, 84(10), 1659.

Hwang C, et al. (2024) TFE3/PI3K/Akt/mTOR Axis in Renal Cell Carcinoma Affects Tumor Microenvironment. The American journal of pathology, 194(7), 1306.

Kunkel MW, et al. (2024) HTS384 NCI60: The Next Phase of the NCI60 Screen. Cancer research, 84(15), 2403.

Serra F, et al. (2024) p53 rapidly restructures 3D chromatin organization to trigger a transcriptional response. Nature communications, 15(1), 2821.

Graham K, et al. (2024) Discovery of YAP1/TAZ pathway inhibitors through phenotypic screening with potent anti-tumor activity via blockade of Rho-GTPase signaling. Cell chemical biology, 31(7), 1247.

Pal SK, et al. (2024) CD70-Targeted Allogeneic CAR T-Cell Therapy for Advanced Clear Cell Renal Cell Carcinoma. Cancer discovery, 14(7), 1176.

Tang G, et al. (2024) circWSB1 promotes tumor progression in ccRCC via circWSB1/miR-182-5p/WSB1 axis. International journal of biological macromolecules, 256(Pt 1), 128338.

El Zarif T, et al. (2024) Epigenomic signatures of sarcomatoid differentiation to guide the treatment of renal cell carcinoma. Cell reports, 43(6), 114350.

Stokes ME, et al. (2023) PERK Inhibition by HC-5404 Sensitizes Renal Cell Carcinoma Tumor Models to Antiangiogenic Tyrosine Kinase Inhibitors. Clinical cancer research : an official journal of the American Association for Cancer Research, 29(23), 4870.

Lignet F, et al. (2023) Preclinical Pharmacokinetics and Translational Pharmacokinetic/Pharmacodynamic Modeling of M8891, a Potent and Reversible Inhibitor of Methionine Aminopeptidase 2. Pharmaceutical research, 40(12), 3011.

Takemoto K, et al. (2023) BACH1 promotes clear cell renal cell carcinoma progression by upregulating oxidative stress-related tumorigenicity. Cancer science, 114(2), 436.

Takahashi M, et al. (2023) Insulin receptor expression to predict resistance to axitinib and elucidation of the underlying molecular mechanism in metastatic renal cell carcinoma. British journal of cancer, 129(3), 521.

Chen WJ, et al. (2023) Single-cell RNA-seq integrated with multi-omics reveals SERPINE2 as a target for metastasis in advanced renal cell carcinoma. Cell death & disease, 14(1), 30.

Tian J, et al. (2023) POLD1 as a Prognostic Biomarker Correlated with Cell Proliferation and Immune Infiltration in Clear Cell Renal Cell Carcinoma. International journal of molecular sciences, 24(7).

Tang H, et al. (2023) Histone demethylase KDM4B contributes to advanced clear cell renal carcinoma and association with copy number variations and cell cycle progression. Epigenetics, 18(1), 2192319.

Vaickelionien? R, et al. (2023) Synthesis of novel sulphamethoxazole derivatives and exploration of their anticancer and antimicrobial properties. PloS one, 18(3), e0283289.

Pan H, et al. (2023) LINC00941 Promotes Cell Malignant Behavior and Is One of Five Costimulatory Molecule-Related lncRNAs That Predict Prognosis in Renal Clear Cell Carcinoma. Medicina (Kaunas, Lithuania), 59(2).