

Resource Summary Report

Generated by [RRID](#) on Aug 27, 2026

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

Description: Cell line Caki-1 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Clear cell renal cell carcinoma

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:9331090](#), [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:31733513](#), [PMID:31978347](#), [PMID:35839778](#), [PMID:37668370](#), [PMID:38861359](#)

Comments: 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

Organism: Homo sapiens (Human)

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, cancercellines: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, PharmacDB:CAKI1_163_2019, PRIDE:PXD003105, PRIDE:PXD003539, 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: 20260815T231956+0000

Ratings and Alerts

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

Warning: Discontinued: RCB; RCB1985

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

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

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 934 mentions in open access literature.

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

Koh J, et al. (2026) ZNF395 Is a Hypoxia-Responsive Regulator of Mitochondrial Glutaminolysis in Clear Cell Renal Cell Carcinoma. *Cancer research*, 86(7), 1676.

Blackman SA, et al. (2026) Antibodies blocking PIGF or VEGF interactions with the NRP1 receptor mediate antiproliferative effects. *The Journal of biological chemistry*, 302(6), 111476.

Chen Y, et al. (2026) USP15 stabilizes c-Myc to drive sunitinib resistance by suppressing cuproptosis in clear cell renal cell carcinoma. *Cell reports*, 45(5), 117328.

Shi H, et al. (2026) OSCAR functions as a collagen I receptor to suppress hippo signaling and reprogram lipid metabolism in clear-cell renal cell carcinoma. *Cell death & disease*, 17(1).

Alhourani F, et al. (2026) Targeting SUV4-20H Epigenetic Enzymes Enhances Topoisomerase II Poisoning in Prostate Cancer. *Cancer research*, 86(1), 236.

Zhu X, et al. (2026) KIAA1429 promotes clear cell renal cell carcinoma progression by regulating MYC mRNA stability. *iScience*, 29(4), 115198.

Hatayama T, et al. (2026) Nectin-4 drives aggressive tumor biology and poor prognosis in renal cell carcinoma. *Urologic oncology*, 44(8), 108.

- Davoine C, et al. (2026) Assessing Surface Binding Events on Golgi Microsomes Isolated from Cancer Cells by Capillary Electrophoresis. *Analytical chemistry*, 98(26), 19652.
- Ni J, et al. (2026) CD70 regulates the NF1/Ras/ERK axis to promote metastatic potential in clear cell renal cell carcinoma. *Cancer cell international*, 26(1).
- Liu Z, et al. (2026) ERMP1 Exerts Tumor-Suppressive Functions in KIRC by Inhibiting PI3K/AKT Signaling and Remodeling the Immune Microenvironment: A Pan-Cancer Analysis. *Human mutation*, 2026, 7717815.
- Sobu R, et al. (2026) IL-8 blockade enhances anti-PD-1 therapeutic activity in renal cell carcinoma in a next-generation patient-derived xenograft model. *iScience*, 29(7), 116386.
- Su H, et al. (2026) Lipid Droplet-Localized Spindle Apparatus Coiled-Coil Protein 1 Regulates Lipid Droplet Distribution. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, e11960.
- Heritz JA, et al. (2026) Targeting and dissociating HIF2?? from the molecular chaperone Hsp70 triggers apoptosis in kidney cancer. *Communications medicine*, 6(1), 91.
- Cao Y, et al. (2026) Targeting the ferritinophagy-lysosome axis as a therapeutic vulnerability in gastroenteropancreatic neuroendocrine tumors. *Cell reports. Medicine*, 7(4), 102695.
- Liao C, et al. (2026) Selective degradation of TBK1 uncovers mechanistic insights into blocking ccRCC progression. *Cell chemical biology*, 33(4), 461.
- Yang T, et al. (2026) Molecular Glue cc-885 Inhibits VHL-Deficient Clear Cell Renal Cell Carcinoma via ETS1 Degradation. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 13(42), e20237.
- Weber J, et al. (2025) ROR2-specific CAR T cells are effective against hematologic and solid tumors and well tolerated in mice. *Cell reports. Medicine*, 6(10), 102400.
- Lu Z, et al. (2025) Integrated single-cell and bulk transcriptome analysis revealed high plasticity subpopulation and promising diagnosis model for clear cell renal cell carcinoma. *Hereditas*, 162(1), 198.
- Wang H, et al. (2025) STBD1 mediates the crosstalk between glycogen and lipid droplets in clear cell renal cell carcinoma. *Cell reports*, 44(10), 116429.
- Hu Y, et al. (2025) Targeting PRDX6-dependent localization and function of GPX4 enhances ferroptosis-mediated tumor suppression. *Molecular cell*, 85(24), 4602.