

Resource Summary Report

Generated by [NIF](#) on Aug 3, 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: 20260801T235344+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 919 mentions in open access literature.

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

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.

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Valeros J, et al. (2025) Rhodoquinone carries electrons in the mammalian electron transport chain. *Cell*, 188(4), 1084.

Kohada Y, et al. (2025) KDM6A deficiency promotes tumor progression and resistance to cabozantinib treatment in clear cell renal cell carcinoma. *Scientific reports*, 15(1), 38656.

Garinet S, et al. (2025) Detection and monitoring of translocation renal cell carcinoma via plasma cell-free epigenomic profiling. *bioRxiv : the preprint server for biology*.

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Hu Y, et al. (2025) Targeting PRDX6-dependent localization and function of GPX4 enhances ferroptosis-mediated tumor suppression. *Molecular cell*, 85(24), 4602.

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Ye W, et al. (2025) TCIRG1 as a Novel Prognostic Biomarker Triggering Immune Infiltration in Renal Clear Cell Carcinoma: An Integrative Study of Single-Cell and Bulk Data. *Human mutation*, 2025, 1839494.

Xu JY, et al. (2025) Intestinal Lachnospiraceae bacterium-derived propionate inhibits the progression of clear cell renal cell carcinoma. *Cell reports. Medicine*, 6(10), 102410.

Chan KY, et al. (2025) GPX4-dependent ferroptosis sensitivity is a fitness trade-off for cell enlargement. *iScience*, 28(5), 112363.

Takai Y, et al. (2025) Ankrd1 Promotes Lamellipodia Formation and Cell Motility via Interaction with Talin-1 in Clear Cell Renal Cell Carcinoma. *International journal of molecular sciences*, 26(9).

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

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.

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