

Resource Summary Report

Generated by [NIF](#) on Aug 13, 2026

A-498

RRID:CVCL_1056

Type: Cell Line

Proper Citation

RRID:CVCL_1056

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_1056

Proper Citation: RRID:CVCL_1056

Description: Cell line A-498 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Renal cell carcinoma

Defining Citation: [PMID:327080](#), [PMID:375235](#), [PMID:450131](#), [PMID:571047](#), [PMID:833871](#), [PMID:2041050](#), [PMID:3335022](#), [PMID:4357758](#), [PMID:6173755](#), [PMID:6244232](#), [PMID:6401685](#), [PMID:6825208](#), [PMID:6935474](#), [PMID:6954533](#), [PMID:7459858](#), [PMID:7915601](#), [PMID:8493574](#), [PMID:9331090](#), [PMID:9488600](#), [PMID:10700174](#), [PMID:10723130](#), [PMID:10929426](#), [PMID:11146448](#), [PMID:15585611](#), [PMID:15604581](#), [PMID:15748285](#), [PMID:17088437](#), [PMID:17409424](#), [PMID:19372543](#), [PMID:20164919](#), [PMID:20215515](#), [PMID:22068913](#), [PMID:22282976](#), [PMID:22347499](#), [PMID:22384151](#), [PMID:22460905](#), [PMID:22628656](#), [PMID:22949125](#), [PMID:23856246](#), [PMID:23933261](#), [PMID:24279929](#), [PMID:24670534](#), [PMID:25485619](#), [PMID:25877200](#), [PMID:26589293](#), [PMID:26759240](#), [PMID:26972028](#), [PMID:27141528](#), [PMID:27377824](#), [PMID:27397505](#), [PMID:27807467](#), [PMID:27993170](#), [PMID:28196595](#), [PMID:28489074](#), [PMID:30894373](#), [PMID:31068700](#), [PMID:31733513](#), [PMID:31978347](#), [PMID:35839778](#), [PMID:38861359](#)

Comments: Population: Caucasian., Part of: NCI-60 cancer cell line panel., Part of: Naval Biosciences Laboratory (NBL) collection (transferred to ATCC in 1982)., 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: A-498

Synonyms: A498

Cross References: BTO:BTO_0003769, CLO:CLO_0001596, CLO:CLO_0009974, EFO:EFO_0002105, CLDB:cl163, CLDB:cl164, CLDB:cl5025, CLDB:cl7160, ArrayExpress:E-MTAB-38, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2706, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610, ATCC:CRL-7908, ATCC:HTB-44, BCRC:60241, BioSample:SAMN03471119, BioSample:SAMN03472919, BioSample:SAMN03473534, BioSample:SAMN10987879, cancercellines:CVCL_1056, CCRID:1101HUM-PUMC000171, Cell_Model_Passport:SIDM00124, ChEMBL-Cells:ChEMBL3308425, ChEMBL-Targets:ChEMBL614516, CLS:300113, Cosmic:687937, Cosmic:735612, Cosmic:845930, Cosmic:849378, Cosmic:874610, Cosmic:877453, Cosmic:905948, Cosmic:972874, Cosmic:972928, Cosmic:974301, Cosmic:982277, Cosmic:1092590, Cosmic:1152531, Cosmic:1175849, Cosmic:1305373, Cosmic:1312361, Cosmic:1995335, Cosmic:1998432, Cosmic:2520636, Cosmic:2653897, Cosmic:2663797, Cosmic-CLP:905948, DepMap:ACH-000555, DSMZ:ACC-55, DSMZCellDive:ACC-55, EGA:EGAS00001000610, EGA:EGAS00001000978, GDSC:905948, GEO:GSM2132, GEO:GSM50227, GEO:GSM50291, GEO:GSM743481, GEO:GSM750836, GEO:GSM799372, GEO:GSM799435, GEO:GSM843438, GEO:GSM846284, GEO:GSM886856, GEO:GSM887921, GEO:GSM1153445, GEO:GSM1181297, GEO:GSM1181323, GEO:GSM1669587, GEO:GSM2124636, IARC_TP53:21036, ICLC:HTL04005, IGRhCellID:A498, IZSLER:BS TCL 111, KCLB:30044, LiGeA:CCLE_161, LINCBS_LDP:LCL-1761, Lonza:1198, NCI-DTP:A498, PharmacDB:A498_47_2019, PRIDE:PXD003105, PRIDE:PXD003539, PRIDE:PXD005942, PRIDE:PXD005946, PRIDE:PXD030304, Progenetix:CVCL_1056, PubChem_Cell_line:CVCL_1056, SKY/M-FISH/CGH:2783, TOKU-E:478, Wikidata:Q54606041

ID: CVCL_1056

Record Creation Time: 20220427T215104+0000

Record Last Update: 20260809T004657+0000

Ratings and Alerts

No rating or validation information has been found for A-498.

Warning: Discontinued: ATCC; CRL-7908

Population: Caucasian., Part of: NCI-60 cancer cell line panel., Part of: Naval Biosciences Laboratory (NBL) collection (transferred to ATCC in 1982)., 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 858 mentions in open access literature.

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

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.

Wang C, et al. (2026) USP18 promotes clear cell renal cell carcinoma progression by regulating the ubiquitination and stability of YBX3. iScience, 29(5), 115808.

Heritz JA, et al. (2026) Targeting and dissociating HIF2?? from the molecular chaperone Hsp70 triggers apoptosis in kidney cancer. Communications medicine, 6(1), 91.

Becker PN, et al. (2026) 2,3-Bisphosphoglycerate Mutase (BPGM), a Metabolic Player Shaping Stress-Adaptive Transcriptional States in Clear Cell Renal Cell Carcinoma. Cells, 15(7).

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.

Li S, et al. (2026) Optimization of hinge domain enhances antitumor efficacy of globo H-targeted CAR-T cells in solid tumor models. iScience, 29(7), 116580.

Abou Alaiwi S, et al. (2026) Generation of a comprehensive epigenomic atlas in clear cell renal cell carcinoma informs kidney cancer progression and heritability. Cell reports, 45(2), 116968.

Zhang B, et al. (2026) RB-BC: A Novel Ribociclib Derivative Targeting p53-Mediated Apoptosis and Inhibition of Tumor Growth in Breast Cancer. Chemistry & biodiversity, 23(2), e02267.

Li G, et al. (2026) Mitochondrial VHL rewires cell metabolism in hypoxia. Cell metabolism, 38(1), 174.

Jing Y, et al. (2026) A TXNIP-driven bioluminescent reporter for high-throughput discovery of glycolytic inhibitors against renal cell carcinoma. BMC biotechnology, 26(1).

Garinet S, et al. (2026) Cell-free DNA epigenomic profiling enables noninvasive detection and monitoring of translocation renal cell carcinoma. The Journal of clinical investigation, 136(3).

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).

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.

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).

Koochaki P, et al. (2026) Structure-guided optimization of SLC1A1/EAAT3-selective inhibitors targeting renal cancer metabolism. *The EMBO journal*, 45(11), 3763.

Torabinejad S, et al. (2025) Obesity alters the fitness of peritumoral adipose tissue, exacerbating tumor invasiveness in renal cancer through the induction of ADAM12 and CYP1B1. *Molecular oncology*, 19(6), 1612.

Grimm SL, et al. (2025) CA-125 as a Biomarker in Renal Medullary Carcinoma: Integrated Molecular Profiling, Functional Characterization, and Prospective Clinical Validation. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 31(6), 1057.

Grubb T, et al. (2025) The SLC1A1/EAAT3 dicarboxylic amino acid transporter is an epigenetically dysregulated nutrient carrier that sustains oncogenic metabolic programs. *Nature communications*, 16(1), 10012.