Resource Summary Report

Generated by dkNET on Sep 4, 2026

A-549

RRID:CVCL_0023
Type: Cell Line

Proper Citation

RRID:CVCL_0023

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0023

Proper Citation: RRID:CVCL_0023

Description: Cell line A-549 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Lung adenocarcinoma

Defining Citation: PMID:77569, PMID:175022, PMID:327080, PMID:375235, PMID:833871, PMID:842942, PMID:924690, PMID:1255758, PMID:1855224, PMID:2041050, PMID:2388294, PMID:3129183, PMID:3335022, PMID:3413074, PMID:3518877, PMID:3940644, PMID:3945555, PMID:4357758, PMID:6148444, PMID:6173755, PMID:6256643, PMID:6272398, PMID:6500159, PMID:6825208, PMID:6935474, PMID:6954533, PMID:7065527, PMID:7459858, PMID:7736387, PMID:8132585, PMID:8263009, PMID:8286010, PMID:8626706, PMID:9023415, PMID:9178645, PMID:9290701, PMID:9331090, PMID:9538136, PMID:9636188, PMID:9649128, PMID:9673367, PMID:9743595, PMID:10358721, PMID:10536175, PMID:10700174, PMID:11005564, PMID:11369051, PMID:11958134, PMID:12661003, PMID:12794755, PMID:14581340, PMID:15746151, PMID:15748285, PMID:15900046, PMID:15999539, PMID:16957166, PMID:17088437, PMID:17331233, PMID:17332333, PMID:17511773, PMID:18083107, PMID:19153074, PMID:19372543, PMID:19472407, PMID:19608861, PMID:19657000, PMID:20164919, PMID:20215515, PMID:20545000, PMID:20557307, PMID:21060948, PMID:22068913, PMID:22278370, PMID:22282976, PMID:22313637, PMID:22336246, PMID:22347499, PMID:22384151, PMID:22460905, PMID:22481983, PMID:22576795, PMID:22628656, PMID:22961666, PMID:23325432, PMID:23404217, PMID:23856246, PMID:23933261, PMID:24135919, PMID:24279929, PMID:24618588, PMID:24670534, PMID:25120651, PMID:25475639, PMID:25485619, PMID:25877200, PMID:25960936, PMID:25984343, PMID:26202522, PMID:26554430, PMID:26589293, PMID:27377824, PMID:27397505, PMID:27807467, PMID:28114404,

PMID:28196595, PMID:28408844, PMID:28601559, PMID:28746345, PMID:28766886, PMID:29444439, PMID:29457907, PMID:29468137, PMID:29681454, PMID:29718670, PMID:30894373, PMID:30971826, PMID:31068700, PMID:31733513, PMID:31978347, PMID:32351780, PMID:34320349, PMID:34737324, PMID:35117401, PMID:35839778, PMID:35976051, PMID:38861359

Comments: Virology: Highly susceptible to infection by Zika virus (ZIKV) (PubMed=29468137)., Characteristics: Expresses HPRT1 at the surface of the cell membrane (PubMed=28408844)., Population: Caucasian., Part of: NCI-7 clinical proteomics reference material cell line panel., 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: KuDOS 95 cell line panel., Part of: JFCR39 cancer cell line panel., Part of: Human Protein Atlas, Cell Atlas panel., Part of: ENCODE project common cell types; tier 2., 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-549

Synonyms: A 549, A549, NCI-A549, A549/ATCC, A549 ATCC, A549ATCC, hA549

Cross References: BTO:BTO_0000018, CLO:CLO_0001601, CLO:CLO_0050025, EFO:EFO_0001086, CLDB:cl202, CLDB:cl203, CLDB:cl204, CLDB:cl205, CLDB:cl206, CLDB:cl207, CLDB:cl5100, CLDB:cl7131, 4DN:4DNSRFLY6T15, Abcam:ab255450, Abcam:ab259777, Abcam:ab275463, Abcam:ab288558, AddexBio:C0016002/23, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2706, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610, ATCC:CCL-185, ATCC:CRL-7909, ATCC:CRM-CCL-185, BCRC:60074, BCRJ:0033, BEI_Resources:NR-52268, BioGRID_ORCS_Cell_line:328, BioSample:SAMN01821615, BioSample:SAMN03472926, BioSample:SAMN10988257, cancercelllines:CVCL_0023, CCLV:CCLV-RIE 1035, CCRID:1101HUM-PUMC000002, CCRID:1102HUM-NIFDC00008, CCRID:3101HUMSCSP503, CCRID:3101HUMTCHu150, CCRID:4201HUM-CCTCC00063, CCRID:5301HUM-KCB04034YJ, CCTCC:GDC0063, Cell_Model_Passport:SIDM00903, CGH-DB:202-1, CGH-DB:9164-4, ChEMBL-Cells:CHEMBL3307651, ChEMBL-Targets:CHEMBL392, CLS:300114, Cosmic:713864, Cosmic:716170, Cosmic:719675, Cosmic:735605, Cosmic:755468, Cosmic:801571, Cosmic:844592, Cosmic:844826, Cosmic:875854, Cosmic:876152, Cosmic:877443, Cosmic:889090, Cosmic:905949, Cosmic:910552, Cosmic:910560, Cosmic:914947, Cosmic:917386, Cosmic:917972, Cosmic:929148, Cosmic:929962, Cosmic:932915, Cosmic:961833, Cosmic:974287, Cosmic:1004698, Cosmic:1017830, Cosmic:1028950, Cosmic:1047097, Cosmic:1089216, Cosmic:1092591, Cosmic:1146871, Cosmic:1152518, Cosmic:1154597, Cosmic:1188587, Cosmic:1219057, Cosmic:1239867, Cosmic:1305342, Cosmic:1312328, Cosmic:1352406, Cosmic:1434961, Cosmic:1436014, Cosmic:1466799, Cosmic:1571729, Cosmic:1600605, Cosmic:1608839, Cosmic:1656896, Cosmic:1802312, Cosmic:1870260, Cosmic:1945870, Cosmic:1995337, Cosmic:1998433, Cosmic:2036687, Cosmic:2042861, Cosmic:2058649, Cosmic:2125176, Cosmic:2301571, Cosmic:2433750, Cosmic:2560224, Cosmic:2630410, Cosmic:2647635, Cosmic:2664115, Cosmic:2668269, Cosmic:2668304, Cosmic:2749159, Cosmic:2756374, Cosmic:2772163, Cosmic-CLP:905949, DepMap:ACH-000681, DSMZ:ACC-107,

DSMZCellDive:ACC-107, ECACC:86012804, EGA:EGAS00001000610, EGA:EGAS00001000978, EGA:EGAS00001002554, ENCODE:ENCBS000CWG, ENCODE:ENCBS002UWD, ENCODE:ENCBS003GAH, ENCODE:ENCBS004IAZ, ENCODE:ENCBS004LAJ, ENCODE:ENCBS004PAW, ENCODE:ENCBS004RKE, ENCODE:ENCBS004XDE, ENCODE:ENCBS005TRZ, ENCODE:ENCBS006JGY, ENCODE:ENCBS006KFZ, ENCODE:ENCBS006TYD, ENCODE:ENCBS007LES, ENCODE:ENCBS009FYJ, ENCODE:ENCBS009OIC, ENCODE:ENCBS009OYK, ENCODE:ENCBS010CCH, ENCODE:ENCBS011GKY, ENCODE:ENCBS012BFT, ENCODE:ENCBS012TTG, ENCODE:ENCBS013GXJ, ENCODE:ENCBS013HGJ, ENCODE:ENCBS013HOT, ENCODE:ENCBS015HRP, ENCODE:ENCBS016CUF, ENCODE:ENCBS016ESU, ENCODE:ENCBS016VTZ, ENCODE:ENCBS017CJM, ENCODE:ENCBS018TOF, ENCODE:ENCBS021JVU, ENCODE:ENCBS022OPA, ENCODE:ENCBS023FRY, ENCODE:ENCBS024QOG, ENCODE:ENCBS025UWS, ENCODE:ENCBS026DZZ, ENCODE:ENCBS027OSU, ENCODE:ENCBS029TTL, ENCODE:ENCBS032DUJ, ENCODE:ENCBS032EMA, ENCODE:ENCBS032WTC, ENCODE:ENCBS033HGM, ENCODE:ENCBS034OEE, ENCODE:ENCBS036LKM, ENCODE:ENCBS041KVF, ENCODE:ENCBS043VXT, ENCODE:ENCBS044GJG, ENCODE:ENCBS044YWQ, ENCODE:ENCBS047ROF, ENCODE:ENCBS049TTA, ENCODE:ENCBS051YPR, ENCODE:ENCBS054AGF, ENCODE:ENCBS056ESU, ENCODE:ENCBS057UPO, ENCODE:ENCBS058HUF, ENCODE:ENCBS058QGC, ENCODE:ENCBS059GTH, ENCODE:ENCBS059RHT, ENCODE:ENCBS060XOR, ENCODE:ENCBS061GHE, ENCODE:ENCBS061UZO, ENCODE:ENCBS062PME, ENCODE:ENCBS063ZVJ, ENCODE:ENCBS066ACG, ENCODE:ENCBS069CLB, ENCODE:ENCBS070TPK, ENCODE:ENCBS071SOD, ENCODE:ENCBS072GEK, ENCODE:ENCBS075ZKJ, ENCODE:ENCBS076MNA, ENCODE:ENCBS076NFI, ENCODE:ENCBS077ELW, ENCODE:ENCBS079SJM, ENCODE:ENCBS081GHS, ENCODE:ENCBS083RUN, ENCODE:ENCBS083TEY, ENCODE:ENCBS083ZIM, ENCODE:ENCBS086UGG, ENCODE:ENCBS087LLT, ENCODE:ENCBS087YWG, ENCODE:ENCBS089RUP, ENCODE:ENCBS090AZM, ENCODE:ENCBS090WQR, ENCODE:ENCBS091RAT, ENCODE:ENCBS091SYA, ENCODE:ENCBS092WKJ, ENCODE:ENCBS093FKM, ENCODE:ENCBS094BQG, ENCODE:ENCBS094XGP, ENCODE:ENCBS095SEF, ENCODE:ENCBS096ODB, ENCODE:ENCBS097WCE, ENCODE:ENCBS097ZMG, ENCODE:ENCBS098XEU, ENCODE:ENCBS099QUK, ENCODE:ENCBS100LYC, ENCODE:ENCBS101CXZ, ENCODE:ENCBS101WRY, ENCODE:ENCBS102GDA, ENCODE:ENCBS102TQY, ENCODE:ENCBS106FRF, ENCODE:ENCBS106VMV, ENCODE:ENCBS107TAZ, ENCODE:ENCBS107VVO, ENCODE:ENCBS108SIA, ENCODE:ENCBS108SYG, ENCODE:ENCBS108VDW, ENCODE:ENCBS109SYJ, ENCODE:ENCBS114PSH, ENCODE:ENCBS116MCD, ENCODE:ENCBS116THZ, ENCODE:ENCBS117OOH, ENCODE:ENCBS117POP, ENCODE:ENCBS121DKS, ENCODE:ENCBS121YTQ, ENCODE:ENCBS126WEL, ENCODE:ENCBS127GWZ, ENCODE:ENCBS128BGV, ENCODE:ENCBS128VHT, ENCODE:ENCBS130SLA, ENCODE:ENCBS131VWP, ENCODE:ENCBS132RXT, ENCODE:ENCBS133BUS, ENCODE:ENCBS133IJF, ENCODE:ENCBS133KFY, ENCODE:ENCBS133PHP, ENCODE:ENCBS134FJI, ENCODE:ENCBS136ZVQ, ENCODE:ENCBS137IAE, ENCODE:ENCBS139BXF, ENCODE:ENCBS139WGU, ENCODE:ENCBS141FQJ, ENCODE:ENCBS141HBH, ENCODE:ENCBS142GEF, ENCODE:ENCBS143KAK, ENCODE:ENCBS144NAE, ENCODE:ENCBS144OZN, ENCODE:ENCBS145FXO, ENCODE:ENCBS146CRN, ENCODE:ENCBS146HUP, ENCODE:ENCBS148NZA, ENCODE:ENCBS148XSC, ENCODE:ENCBS149FQX, ENCODE:ENCBS149KNM, ENCODE:ENCBS150LLO, ENCODE:ENCBS151QJK,

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ENCODE:ENCBS628PAB, ENCODE:ENCBS629ILN, ENCODE:ENCBS630KEQ,
ENCODE:ENCBS631PPT, ENCODE:ENCBS633FJA, ENCODE:ENCBS633IMH,
ENCODE:ENCBS633XBY, ENCODE:ENCBS634TKN, ENCODE:ENCBS636XOH,
ENCODE:ENCBS637CSP, ENCODE:ENCBS637FHG, ENCODE:ENCBS637RXS,
ENCODE:ENCBS638FWD, ENCODE:ENCBS638OUQ, ENCODE:ENCBS639YSC,
ENCODE:ENCBS640AFN, ENCODE:ENCBS640FKD, ENCODE:ENCBS643KEB,
ENCODE:ENCBS643TDG, ENCODE:ENCBS643ZJW, ENCODE:ENCBS644IJZ,
ENCODE:ENCBS644OKR, ENCODE:ENCBS645JZI, ENCODE:ENCBS646DYP,
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ENCODE:ENCBS675GRD, ENCODE:ENCBS675TOV, ENCODE:ENCBS676DUD,
ENCODE:ENCBS678LVM, ENCODE:ENCBS681IDY, ENCODE:ENCBS681JBN,
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Ratings and Alerts

No rating or validation information has been found for A-549.

Warning: Discontinued: ATCC; CRL-7909
Virology: Highly susceptible to infection by Zika virus (ZIKV) (PubMed=29468137)., Characteristics: Expresses HPRT1 at the surface of the cell membrane (PubMed=28408844)., Population: Caucasian., Part of: NCI-7 clinical proteomics reference material cell line panel., 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: KuDOS 95 cell line panel., Part of: JFCR39 cancer cell line panel., Part of: Human Protein Atlas, Cell Atlas panel., Part of: ENCODE project common cell types; tier 2., 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 28006 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

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Wang MF, et al. (2026) Secondary Metabolites of Ainsliaea fragrans and Their Cytotoxic Activity. Chemistry & biodiversity, 23(4), e03421.

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