Resource Summary Report

Generated by dkNET on Sep 19, 2026

A549/DDP

RRID:CVCL_C0W4
Type: Cell Line

Proper Citation

RRID:CVCL_C0W4

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_C0W4

Proper Citation: RRID:CVCL_C0W4

Description: Cell line A549/DDP is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Lung adenocarcinoma

Defining Citation: PMID:28114404

Comments: Population: Caucasian.

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: A549/DDP

Cross References: cancercelllines:CVCL_C0W4, CLS:305047, Wikidata:Q114310532

ID: CVCL_C0W4

Hierarchy: cvcl_0023

Record Creation Time: 20220923T070218+0000

Record Last Update: 20260920T010341+0000

Ratings and Alerts

No rating or validation information has been found for A549/DDP.

No alerts have been found for A549/DDP.

Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 209 mentions in open access literature.

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

Cao Z, et al. (2026) Study on the mechanism of PSENEN in modulating cisplatin resistance in NSCLC through stromal cell interactions. International immunopharmacology, 169, 116037.

Zheng X, et al. (2026) Bioactive Pyranones Isolated From the Mangrove-Associated Endophytic Fungus Aspergillus sp. H6a. Chemistry & biodiversity, 23(6), e71376.

Qian C, et al. (2026) Dihydrotanshinone I inhibits PHGDH to suppress serine synthesis and remodel TME in NSCLC. Phytomedicine : international journal of phytotherapy and phytopharmacology, 158, 158366.

Casagrande Raffi G, et al. (2025) Inducible CRISPR-Cas9 screening platform to interrogate non-proliferative cellular states. Nature protocols.

Guo J, et al. (2023) KIF2C accelerates the development of non-small cell lung cancer and is suppressed by miR-186-3p via the AKT-GSK3?-?-catenin pathway. Scientific reports, 13(1), 7288.

Tao X, et al. (2023) Downregulation of Linc00173 increases BCL2 mRNA stability via the miR-1275/PROCA1/ZFP36L2 axis and induces acquired cisplatin resistance of lung adenocarcinoma. Journal of experimental & clinical cancer research : CR, 42(1), 12.

Wang X, et al. (2023) YTHDC2-mediated m6A mRNA modification of Id3 suppresses cisplatin resistance in non-small cell lung cancer. Journal of thoracic disease, 15(3), 1247.

Zhao X, et al. (2023) Targeted therapy for cisplatin-resistant lung cancer via aptamer-guided nano-zinc carriers containing USP14 siRNA. MedComm, 4(2), e237.

Han L, et al. (2023) New Guaiane-Type Sesquiterpenoids Biscogniauxiaols A-G with Anti-Fungal and Anti-Inflammatory Activities from the Endophytic Fungus Biscogniauxia Petrensis. Journal of fungi (Basel, Switzerland), 9(4).

Yuan H, et al. (2023) SIAH1 ubiquitination-modified HMGCR inhibits lung cancer progression and promotes drug sensitivity through cholesterol synthesis. Cancer cell international, 23(1), 71.

Zhao L, et al. (2023) ELF1 suppresses autophagy to reduce cisplatin resistance via the miR-152-3p/NCAM1/ERK axis in lung cancer cells. Cancer science, 114(6), 2650.

Zhao J, et al. (2023) Preparation, characterisation, and in vitro cancer-suppression function of RNA nanoparticles carrying miR-301b-3p Inhibitor. IET nanobiotechnology, 17(3), 224.

Liu Z, et al. (2022) Alcohol Extract of YFXJ Decoction Reverses the Drug Resistance of Human Lung Adenocarcinoma Cell Line A549/DDP. Computational and mathematical methods in medicine, 2022, 9089365.

Cheng Q, et al. (2022) Asiatic acid re-sensitizes multidrug-resistant A549/DDP cells to cisplatin by down regulating long non-coding RNA metastasis associated lung adenocarcinoma transcript 1/?-catenin signaling. Bioengineered, 13(5), 12972.

Xin M, et al. (2022) Autophagy Inhibition Enhances the Anti-Tumor Activity of Methylseleninic Acid in Cisplatin-Resistance Human Lung Adenocarcinoma Cells. Frontiers in pharmacology, 13, 890974.

Chen H, et al. (2022) Circ-CUL2/microRNA-888-5p/RB1CC1 axis participates in cisplatin resistance in NSCLC via repressing cell advancement. Bioengineered, 13(2), 2828.

Li Y, et al. (2022) MiR-192/NKRF axis confers lung cancer cell chemoresistance to cisplatin via the NF-?B pathway. Thoracic cancer, 13(3), 430.

Zhang S, et al. (2022) TRIM44 promotes BRCA1 functions in HR repair to induce Cisplatin Chemoresistance in Lung Adenocarcinoma by Deubiquitinating FLNA. International journal of biological sciences, 18(7), 2962.

Luo Y, et al. (2022) Thioridazine Enhances Cisplatin-Induced DNA Damage in Cisplatin-Resistant Human Lung Cancer Cells. Evidence-based complementary and alternative medicine : eCAM, 2022, 3702665.

Cheng Z, et al. (2022) Ophiopogonin B alleviates cisplatin resistance of lung cancer cells by inducing Caspase-1/GSDMD dependent pyroptosis. Journal of Cancer, 13(2), 715.