

Resource Summary Report

Generated by [RRID](#) on Sep 3, 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: cancercellines:CVCL_C0W4, CLS:305047, Wikidata:Q114310532

ID: CVCL_C0W4

Hierarchy: cvcl_0023

Record Creation Time: 20220923T070218+0000

Record Last Update: 20260830T000530+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 [RRID](#) .

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 β - β -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.

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.

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.

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).

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.

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.

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.

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.

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.

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 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.

Yang B, et al. (2022) DNMT3B regulates proliferation of A549 cells through the microRNA-152-3p/NCAM1 pathway. *Oncology letters*, 23(1), 11.