

Resource Summary Report

Generated by [NIF](#) on Jul 29, 2026

A549-Luc2

RRID:CVCL_UR31

Type: Cell Line

Proper Citation

RRID:CVCL_UR31

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_UR31

Proper Citation: RRID:CVCL_UR31

Description: Cell line A549-Luc2 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Lung adenocarcinoma

Comments: Characteristics: Stably expresses firefly luciferase under the control of the human EF1a promoter (ATCC=CCL-185-LUC2)., Population: Caucasian.

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: A549-Luc2

Cross References: ATCC:CCL-185-LUC2, cancercellines:CVCL_UR31, Wikidata:Q93311981

ID: CVCL_UR31

Hierarchy: cvcl_0023

Record Creation Time: 20220427T215107+0000

Record Last Update: 20260726T002029+0000

Ratings and Alerts

No rating or validation information has been found for A549-Luc2.

No alerts have been found for A549-Luc2.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Wu W, et al. (2025) Sappanchalcone suppresses NSCLC by oxidative stress-driven DNA damage and ER stress activation through PIEZO1 modulation. *iScience*, 28(12), 114057.

Ku J, et al. (2024) Alternative polyadenylation determines the functional landscape of inverted Alu repeats. *Molecular cell*.

Greenwood HE, et al. (2024) Imaging NRF2 activation in non-small cell lung cancer with positron emission tomography. *Nature communications*, 15(1), 10484.

Francis JW, et al. (2024) FAM86A methylation of eEF2 links mRNA translation elongation to tumorigenesis. *Molecular cell*.

Olszewski M, et al. (2024) Palindromic carbazole derivatives: unveiling their antiproliferative effect via topoisomerase II catalytic inhibition and apoptosis induction. *Journal of enzyme inhibition and medicinal chemistry*, 39(1), 2302920.

Marques M, et al. (2024) Influenza A virus propagation requires the activation of the unfolded protein response and the accumulation of insoluble protein aggregates. *iScience*, 27(3), 109100.

Gu L, et al. (2024) Acacetin protects against acute lung injury by upregulating SIRT1/ NF- κ B pathway. *Heliyon*, 10(17), e37083.

Qu X, et al. (2023) G-quadruplex is critical to epigenetic activation of the lncRNA HOTAIR in cancer cells. *iScience*, 26(12), 108559.