

Resource Summary Report

Generated by [NIF](#) on Sep 10, 2026

NCI-H1437

RRID:CVCL_1472

Type: Cell Line

Proper Citation

RRID:CVCL_1472

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_1472

Proper Citation: RRID:CVCL_1472

Description: Cell line NCI-H1437 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Lung adenocarcinoma

Defining Citation: [PMID:1311061](#), [PMID:1565469](#), [PMID:8806092](#), [PMID:9559342](#), [PMID:16157194](#), [PMID:18083107](#), [PMID:19472407](#), [PMID:20164919](#), [PMID:20215515](#), [PMID:20557307](#), [PMID:22460905](#), [PMID:22961666](#), [PMID:25485619](#), [PMID:25877200](#), [PMID:25984343](#), [PMID:26589293](#), [PMID:27397505](#), [PMID:28196595](#), [PMID:29681454](#), [PMID:30038707](#), [PMID:30894373](#), [PMID:31068700](#), [PMID:31803961](#), [PMID:31978347](#), [PMID:35839778](#)

Comments: Population: Caucasian., 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: NCI-H1437

Synonyms: H1437, H-1437, NCIH1437

Cross References: BTO:BTO_0003244, CLO:CLO_0007997, EFO:EFO_0002254, ArrayExpress:E-MTAB-38, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2706, ArrayExpress:E-MTAB-2770, ATCC:CRL-5872, BioGRID_ORCS_Cell_line:541, BioSample:SAMN03471451, BioSample:SAMN10987891, cancercellines:CVCL_1472,

CCRID:3101HUMSCSP591, Cell_Model_Passport:SIDM00734, ChEMBL-Cells:ChEMBL3308764, ChEMBL-Targets:ChEMBL1075513, CLS:305110, Cosmic:687794, Cosmic:877241, Cosmic:877423, Cosmic:903593, Cosmic:917388, Cosmic:980976, Cosmic:1032448, Cosmic:1146878, Cosmic:1219084, Cosmic:1239885, Cosmic:1320186, Cosmic:1518083, Cosmic:1694666, Cosmic:1889784, Cosmic:1891891, Cosmic:1995523, Cosmic:2125230, Cosmic-CLP:687794, DepMap:ACH-000589, EGA:EGAS00001000610, EGA:EGAS00001002554, ENCODE:ENCBS117IRE, ENCODE:ENCBS769XMO, GDSC:687794, GEO:GSM108813, GEO:GSM108814, GEO:GSM253308, GEO:GSM434302, GEO:GSM513939, GEO:GSM514325, GEO:GSM784208, GEO:GSM794316, GEO:GSM817084, GEO:GSM827483, GEO:GSM887364, GEO:GSM888442, GEO:GSM1374700, GEO:GSM1374701, GEO:GSM1670173, IARC_TP53:493, IGRhCellID:NCIH1437, KCLB:91437, LiGeA:CCLE_279, LINCS_LDP:LCL-1637, NCI-DTP:NCI-H1437, PharmacDB:NCIH1437_1018_2019, PRIDE:PXD030304, Progenetix:CVCL_1472, PubChem_Cell_line:CVCL_1472, Wikidata:Q54907808

ID: CVCL_1472

Record Creation Time: 20220427T220837+0000

Record Last Update: 20260905T181241+0000

Ratings and Alerts

No rating or validation information has been found for NCI-H1437.

No alerts have been found for NCI-H1437.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 21 mentions in open access literature.

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

Fu R, et al. (2026) Acquired resistance to the PRMT5 inhibitor confers collateral sensitivity to MEK inhibition in MTAP-null non-small cell lung cancer. bioRxiv : the preprint server for biology.

Mizusaki S, et al. (2025) NECTIN4 regulates the cell surface expression of CD155 in non-small cell lung cancer cells and induces tumor resistance to PD-1 inhibitors. Cancer immunology, immunotherapy : CII, 74(7), 211.

Pulice JL, et al. (2025) Amplified dosage of the NKX2-1 lineage transcription factor controls its oncogenic role in lung adenocarcinoma. Molecular cell, 85(7), 1311.

Morel M, et al. (2024) FBXL16 promotes cell growth and drug resistance in lung adenocarcinomas with KRAS mutation by stabilizing IRS1 and upregulating IRS1/AKT signaling. *Molecular oncology*, 18(3), 762.

Zhou L, et al. (2024) A novel cancer-germline gene DAZL promotes progression and cisplatin resistance of non-small cell lung cancer by upregulating JAK2 and MCM8. *Gene*, 916, 148449.

Mao C, et al. (2024) Unraveling ETC complex I function in ferroptosis reveals a potential ferroptosis-inducing therapeutic strategy for LKB1-deficient cancers. *Molecular cell*, 84(10), 1964.

Geroyska S, et al. (2024) N-Myristoyltransferase Inhibition Causes Mitochondrial Iron Overload and Parthanatos in TIM17A-Dependent Aggressive Lung Carcinoma. *Cancer research communications*, 4(7), 1815.

Suvilesh KN, et al. (2024) Targeting AKR1B10 by Drug Repurposing with Epalrestat Overcomes Chemoresistance in Non-Small Cell Lung Cancer Patient-Derived Tumor Organoids. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 30(17), 3855.

Ando T, et al. (2024) NECTIN2 is a prognostic biomarker and potential therapeutic target in lung adenocarcinoma. *Respiratory investigation*, 62(4), 582.

Pelos G, et al. (2024) Fast proliferating and slowly migrating non-small cell lung cancer cells are vulnerable to decitabine and retinoic acid combinatorial treatment. *International journal of cancer*, 154(6), 1029.

Quandt E, et al. (2023) CDK6 is activated by the atypical cyclin I to promote E2F-mediated gene expression and cancer cell proliferation. *Molecular oncology*.

Chen K, et al. (2023) Individualized tumor-informed circulating tumor DNA analysis for postoperative monitoring of non-small cell lung cancer. *Cancer cell*, 41(10), 1749.

Alam H, et al. (2020) KMT2D Deficiency Impairs Super-Enhancers to Confer a Glycolytic Vulnerability in Lung Cancer. *Cancer cell*, 37(4), 599.

Yenerall P, et al. (2020) RUVBL1/RUVBL2 ATPase Activity Drives PAQosome Maturation, DNA Replication and Radioresistance in Lung Cancer. *Cell chemical biology*, 27(1), 105.

Takahashi N, et al. (2020) 3D Culture Models with CRISPR Screens Reveal Hyperactive NRF2 as a Prerequisite for Spheroid Formation via Regulation of Proliferation and Ferroptosis. *Molecular cell*, 80(5), 828.

Bi J, et al. (2019) Oncogene Amplification in Growth Factor Signaling Pathways Renders Cancers Dependent on Membrane Lipid Remodeling. *Cell metabolism*, 30(3), 525.

Lee HH, et al. (2019) Removal of N-Linked Glycosylation Enhances PD-L1 Detection and Predicts Anti-PD-1/PD-L1 Therapeutic Efficacy. *Cancer cell*, 36(2), 168.

Harris IS, et al. (2019) Deubiquitinases Maintain Protein Homeostasis and Survival of Cancer Cells upon Glutathione Depletion. *Cell metabolism*, 29(5), 1166.

Sullivan WJ, et al. (2018) Extracellular Matrix Remodeling Regulates Glucose Metabolism through TXNIP Destabilization. *Cell*, 175(1), 117.

Ramsey J, et al. (2018) Loss of RUNX1 is associated with aggressive lung adenocarcinomas. *Journal of cellular physiology*, 233(4), 3487.