

Resource Summary Report

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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)

Sex: Male

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

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: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: 20250525T111454+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 18 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

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.

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.

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.

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.

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.

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.

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.

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

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

Watanabe H, et al. (2013) Integrated cistromic and expression analysis of amplified NKX2-1 in lung adenocarcinoma identifies LMO3 as a functional transcriptional target. *Genes &*

development, 27(2), 197.