Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 13, 2025

NCI-H157

RRID:CVCL_0463
Type: Cell Line

Proper Citation

(RRID:CVCL_0463)

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0463

Proper Citation: (RRID:CVCL_0463)

Sex: Male

Defining Citation: PMID:1311061, PMID:1563005, PMID:3940644, PMID:6148444, PMID:6270685, PMID:6272398, PMID:6713399, PMID:7972006, PMID:8626706, PMID:8806092, PMID:9649128, PMID:10536175, PMID:11005564, PMID:11369051, PMID:12068308, PMID:12820372, PMID:16187286, PMID:19472407, PMID:20164919, PMID:20215515, PMID:20557307, PMID:20624269, PMID:22961666, PMID:23381221, PMID:25120651, PMID:26361996, PMID:29681454, PMID:30038707, PMID:31803961, PMID:38180245

Comments: Omics: Transcriptome analysis by microarray., Omics: SNP array analysis., Omics: Protein expression by reverse-phase protein arrays., Omics: miRNA expression profiling., Omics: Deep proteome analysis., Omics: Deep exome analysis., Omics: Array-based CGH., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE)., Problematic cell line: Contaminated. NCI-H157 and NCI-H1264 have been shown to be identical..

Category: Cancer cell line

Name: NCI-H157

Synonyms: NCl-H157, NCI H157, H157, H-157, NCI-157, NCIH157DM, H157DM

Cross References: BTO:BTO_0002283, CLO:CLO_0037032, EFO:EFO_0003118, MCCL:MCC:0000360, ArrayExpress:E-MTAB-783, ATCC:CRL-5802, BioSample:SAMN03151855, BioSample:SAMN03471738, cancercelllines:CVCL_0463,

CCRID:1101HUM-PUMC000113, ChEMBL-Cells:CHEMBL3307706, ChEMBL-Targets:CHEMBL614783, CLS:300387, Cosmic:722053, Cosmic:724867, Cosmic:801588, Cosmic:844816, Cosmic:852006, Cosmic:876171, Cosmic:877258, Cosmic:903569, Cosmic:911847, Cosmic:917987, Cosmic:929971, Cosmic:930486, Cosmic:932921, Cosmic:934546, Cosmic:953987, Cosmic:949208, Cosmic:980960, Cosmic:1028954, Cosmic:1032432, Cosmic:1146881, Cosmic:1219061, Cosmic:1239910, Cosmic:1320185, Cosmic:2560227, Cosmic:2648437, Cosmic:2668267, Cosmic:2668329, DepMap:ACH-000921, GEO:GSM62967, GEO:GSM108815, GEO:GSM108816, GEO:GSM253365, GEO:GSM434267, GEO:GSM784238, GEO:GSM794274, IARC_TP53:495, IARC_TP53:28242, IARC_TP53:28453, IGRhCellID:H157GEO, KCB:KCB 200814YJ, KCLB:90157, LINCS_LDP:LCL-1596, PRIDE:PXD002556, Progenetix:CVCL_0463, PubChem_Cell_line:CVCL_0463, Wikidata:Q54907822

ID: CVCL_0463

Record Creation Time: 20250131T201459+0000

Record Last Update: 20250131T203137+0000

Ratings and Alerts

No rating or validation information has been found for NCI-H157.

Warning: Problematic cell line: Contaminated. NCI-H157 and NCI-H1264 have been shown to be identical.

Registration: International Cell Line Authentication Committee, Register of Misidentified Cell Lines; ICLAC-00412.
Omics: Transcriptome analysis by microarray., Omics: SNP array analysis., Omics: Protein expression by reverse-phase protein arrays., Omics: miRNA expression profiling., Omics: Deep proteome analysis., Omics: Deep exome analysis., Omics: Array-based CGH., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE)., Problematic cell line: Contaminated. NCI-H157 and NCI-H1264 have been shown to be identical.. Warning: Discontinued: ATCC; CRL-5802
Omics: Transcriptome analysis by microarray., Omics: SNP array analysis., Omics: Protein expression by reverse-phase protein arrays., Omics: miRNA expression profiling., Omics: Deep proteome analysis., Omics: Deep exome analysis., Omics: Array-based CGH., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE)., Problematic cell line: Contaminated. NCI-H157 and NCI-H1264 have been shown to be identical.. Warning: Discontinued: KCLB; 90157
Omics: Transcriptome analysis by microarray., Omics: SNP array analysis., Omics: Protein expression by reverse-phase protein arrays., Omics: miRNA expression profiling., Omics: Deep proteome analysis., Omics: Deep exome analysis., Omics: Array-based CGH., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE)., Problematic cell line: Contaminated. NCI-H157 and NCI-H1264 have been shown to be identical..

Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 157 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Li S, et al. (2023) Comprehensive Analyses and Immunophenotyping of LIM Domain Family Genes in Patients with Non-Small-Cell Lung Cancer. International journal of molecular sciences, 24(5).

Dong Z, et al. (2023) Combined Thermosensitive Gel Co-Loaded with Dermaseptin-PP and PTX Liposomes for Effective Local Chemotherapy. International journal of nanomedicine, 18, 413.

Chen J, et al. (2022) CUR5g, a novel autophagy inhibitor, exhibits potent synergistic anticancer effects with cisplatin against non-small-cell lung cancer. Cell death discovery, 8(1), 435.

Tajbakhsh J, et al. (2022) DNA methylation topology differentiates between normal and malignant in cell models, resected human tissues, and exfoliated sputum cells of lung epithelium. Frontiers in oncology, 12, 991120.

Rose M, et al. (2022) ITIH5-Derived Polypeptides Covering the VIT Domain Suppress the Growth of Human Cancer Cells In Vitro. Cancers, 14(3).

Zeng Y, et al. (2022) Involvement of RUVBL1 in WNT/?-Catenin Signaling in Oral Squamous Cell Carcinoma. Disease markers, 2022, 3398492.

Das T, et al. (2022) USP15 and USP4 facilitate lung cancer cell proliferation by regulating the alternative splicing of SRSF1. Cell death discovery, 8(1), 24.

Ma Y, et al. (2022) Tumor-Intrinsic PD-L1 Exerts an Oncogenic Function through the Activation of the Wnt/?-Catenin Pathway in Human Non-Small Cell Lung Cancer. International journal of molecular sciences, 23(19).

Goulart Stollmaier J, et al. (2022) Conversion of Natural Narciclasine to Its C-1 and C-6 Derivatives and Their Antitumor Activity Evaluation: Some Unusual Chemistry of Narciclasine. Molecules (Basel, Switzerland), 27(13).

De Franco M, et al. (2022) Unveiling the Potential of Innovative Gold(I) and Silver(I) Selenourea Complexes as Anticancer Agents Targeting TrxR and Cellular Redox Homeostasis. Chemistry (Weinheim an der Bergstrasse, Germany), 28(70), e202201898.

Holbert CE, et al. (2022) Polyamine-Based Nanostructures Share Polyamine Transport

Mechanisms with Native Polyamines and Their Analogues: Significance for Polyamine-Targeted Therapy. Medical sciences (Basel, Switzerland), 10(3).

Kundu ST, et al. (2022) The microRNA-183/96/182 cluster inhibits lung cancer progression and metastasis by inducing an interleukin-2-mediated antitumor CD8+ cytotoxic T-cell response. Genes & development, 36(9-10), 582.

Kang J, et al. (2022) EGFR-phosphorylated GDH1 harmonizes with RSK2 to drive CREB activation and tumor metastasis in EGFR-activated lung cancer. Cell reports, 41(11), 111827.

Zhang F, et al. (2021) M2 macrophage-derived exosomal long non-coding RNA AGAP2-AS1 enhances radiotherapy immunity in lung cancer by reducing microRNA-296 and elevating NOTCH2. Cell death & disease, 12(5), 467.

Zhou X, et al. (2021) Dependency of human and murine LKB1-inactivated lung cancer on aberrant CRTC-CREB activation. eLife, 10.

Liu Q, et al. (2021) Impact Analysis of miR-1253 on Lung Cancer Progression Through Targeted Regulation of ANXA3. Cancer management and research, 13, 1767.

Pu R, et al. (2021) MicroRNA 144 inhibits cell migration and invasion and regulates inflammatory cytokine secretion through targeting toll like receptor 2 in non-small cell lung cancer. Archives of medical science : AMS, 17(4), 1028.

Rong JH, et al. (2021) Lobaplatin Enhances Radioactive 125I Seed-Induced Apoptosis and Anti-Proliferative Effect in Non-Small Cell Lung Cancer by Suppressing the AKT/mTOR Pathway. OncoTargets and therapy, 14, 289.

Cao X, et al. (2021) ROS?mediated hypomethylation of PRDX5 promotes STAT3 binding and activates the Nrf2 signaling pathway in NSCLC. International journal of molecular medicine, 47(2), 573.

Park D, et al. (2021) Discovery of Small Molecule Bak Activator for Lung Cancer Therapy. Theranostics, 11(17), 8500.