

Resource Summary Report

Generated by [NIF](#) on Sep 16, 2026

NCI-H1048

RRID:CVCL_1453

Type: Cell Line

Proper Citation

RRID:CVCL_1453

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_1453

Proper Citation: RRID:CVCL_1453

Description: Cell line NCI-H1048 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Female

Disease: Lung small cell carcinoma

Defining Citation: [PMID:1312696](#), [PMID:1563005](#), [PMID:1565469](#), [PMID:2569043](#), [PMID:8806092](#), [PMID:8806103](#), [PMID:11030152](#), [PMID:17426248](#), [PMID:20164919](#), [PMID:20215515](#), [PMID:20679594](#), [PMID:22460905](#), [PMID:25485619](#), [PMID:25877200](#), [PMID:26589293](#), [PMID:27247353](#), [PMID:27397505](#), [PMID:28196595](#), [PMID:28766886](#), [PMID:30894373](#), [PMID:31068700](#), [PMID:31803961](#), [PMID:31978347](#), [PMID:32586373](#), [PMID:34439128](#), [PMID:35839778](#), [PMID:39154123](#)

Comments: Population: African American., Part of: Small cell lung cancer p53 hotspot mutation cell panel (ATCC TCP-2040)., 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-H1048

Synonyms: H1048, H-1048, NCIH1048

Cross References: BTO:BTO_0005974, CLO:CLO_0007979, EFO:EFO_0002248, AddexBio:C0016084/5027, ArrayExpress:E-MTAB-38, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2706, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610,

ATCC:CRL-5853, BioGRID_ORCS_Cell_line:1618, BioSample:SAMN03471878, BioSample:SAMN03472573, BioSample:SAMN10988119, cancercellines:CVCL_1453, Cell_Model_Passport:SIDM00654, ChEMBL-Cells:ChEMBL3308763, ChEMBL-Targets:ChEMBL1075512, CLS:305595, Cosmic:687995, Cosmic:844566, Cosmic:877369, Cosmic:1152481, Cosmic:1759253, Cosmic:1891919, Cosmic:2125223, Cosmic-CLP:687995, DepMap:ACH-000866, EGA:EGAS00001000610, EGA:EGAS00001000978, EGA:EGAS00001002554, GDSC:687995, GEO:GSM169449, GEO:GSM827489, GEO:GSM887350, GEO:GSM888428, GEO:GSM1670160, GEO:GSM1887927, GEO:GSM1888016, IARC_TP53:424, IGRhCellID:NCIH1048, LiGeA:CCLE_450, LINCS_LDP:LCL-1810, PharmacDB:NCIH1048_1000_2019, PRIDE:PXD030304, Progenetix:CVCL_1453, PubChem_Cell_line:CVCL_1453, Wikidata:Q54907764

ID: CVCL_1453

Record Creation Time: 20220427T220837+0000

Record Last Update: 20260913T004951+0000

Ratings and Alerts

No rating or validation information has been found for NCI-H1048.

No alerts have been found for NCI-H1048.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 25 mentions in open access literature.

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

Zhou Y, et al. (2026) Regulation of neuronal invasion of small cell lung cancer by STMN2/?-alanine-controlled metabolic reprogramming. Cell reports, 45(4), 117208.

Patel UA, et al. (2026) CRISPR Screen Identifies HDAC3 as a Novel Radiosensitizing Target in Small Cell Lung Cancer. Molecular cancer therapeutics, 25(1), 183.

Gu JJ, et al. (2026) ABL kinase inactivation induces transcription-replication conflicts and impairs replication fork progression in metastatic small cell lung cancer. Cell reports, 45(7), 117699.

De Rosa C, et al. (2025) DNA-PK inhibition sustains the antitumor innate immune response in small cell lung cancer. iScience, 28(3), 111943.

Paál Á, et al. (2025) Roles of Annexin A1 Expression in Small Cell Lung Cancer. Cancers, 17(9).

Cunniff PJ, et al. (2025) KLF5 enables dichotomous lineage programs in pancreatic cancer via the AAA+ ATPase coactivators RUVBL1 and RUVBL2. *Nature communications*, 16(1), 9996.

Iñáñez A, et al. (2025) The Potential of Single-Transcription Factor Gene Expression by RT-qPCR for Subtyping Small Cell Lung Cancer. *International journal of molecular sciences*, 26(3).

Chatterjee D, et al. (2025) KSR1 Mediates Small Cell Lung Carcinoma Tumor Initiation and Cisplatin Resistance. *Molecular cancer research : MCR*, 23(6), 553.

Ma J, et al. (2025) Azenosertib Is a Potent and Selective WEE1 Kinase Inhibitor with Broad Antitumor Activity Across a Range of Solid Tumors. *Molecular cancer therapeutics*, 24(8), 1171.

Cai G, et al. (2025) UMP functions as an endogenous regulator of NR4A1 to control gastric cancer progression. *Molecular cell*, 85(23), 4347.

Hong D, et al. (2025) Loss of NOTCH2 creates a TRIM28-dependent vulnerability in small cell lung cancer. *Developmental cell*.

Flor AC, et al. (2025) Noncanonical inhibition of topoisomerase II alpha by oxidative stress metabolites. *Redox biology*, 80, 103504.

Sasaki M, et al. (2025) Efficacy of CBP/p300 Dual Inhibitors against Derepression of KREMEN2 in cBAF-Deficient Cancers. *Cancer research communications*, 5(1), 24.

Duplaquet L, et al. (2024) Mammalian SWI/SNF complex activity regulates POU2F3 and constitutes a targetable dependency in small cell lung cancer. *Cancer cell*, 42(8), 1352.

Merk DJ, et al. (2024) Functional screening reveals genetic dependencies and diverging cell cycle control in atypical teratoid rhabdoid tumors. *Genome biology*, 25(1), 301.

Ng J, et al. (2024) Molecular and Pathologic Characterization of YAP1-Expressing Small Cell Lung Cancer Cell Lines Leads to Reclassification as SMARCA4-Deficient Malignancies. *Clinical cancer research : an official journal of the American Association for Cancer Research*, OF1.

Rona G, et al. (2024) CDK-independent role of D-type cyclins in regulating DNA mismatch repair. *Molecular cell*.

He T, et al. (2024) Targeting the mSWI/SNF complex in POU2F-POU2AF transcription factor-driven malignancies. *Cancer cell*, 42(8), 1336.

Chakraborty S, et al. (2024) Lurbinectedin sensitizes PD-L1 blockade therapy by activating STING-IFN signaling in small-cell lung cancer. *Cell reports. Medicine*, 5(12), 101852.

Takahashi N, et al. (2022) Replication stress defines distinct molecular subtypes across cancers. *Cancer research communications*, 2(6), 503.