

Resource Summary Report

Generated by [RRID](#) on Aug 31, 2026

NCI-H146

RRID:CVCL_1473

Type: Cell Line

Proper Citation

RRID:CVCL_1473

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_1473

Proper Citation: RRID:CVCL_1473

Description: Cell line NCI-H146 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Lung small cell carcinoma

Defining Citation: [PMID:1320893](#), [PMID:1563005](#), [PMID:2388294](#), [PMID:2985257](#), [PMID:2986243](#), [PMID:3335022](#), [PMID:6108156](#), [PMID:6148444](#), [PMID:6270685](#), [PMID:6272398](#), [PMID:6713399](#), [PMID:8626706](#), [PMID:8806092](#), [PMID:8806103](#), [PMID:11030152](#), [PMID:17426248](#), [PMID:20164919](#), [PMID:20215515](#), [PMID:20615970](#), [PMID:20624269](#), [PMID:22460905](#), [PMID:22961666](#), [PMID:24586258](#), [PMID:25485619](#), [PMID:25877200](#), [PMID:25960936](#), [PMID:26589293](#), [PMID:27247353](#), [PMID:27397505](#), [PMID:28766886](#), [PMID:30894373](#), [PMID:31068700](#), [PMID:31803961](#), [PMID:31978347](#), [PMID:32586373](#), [PMID:35839778](#), [PMID:39154123](#)

Comments: Population: Caucasian., 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-H146

Synonyms: H146, H-146, NCIH146

Cross References: BTO:BTO_0003024, CLO:CLO_0007998, EFO:EFO_0006659, ArrayExpress:E-MTAB-38, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2706, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610, ATCC:HTB-173,

BCRC:60280, BioSample:SAMN03473245, BioSample:SAMN10988324, cancercellines:CVCL_1473, Cell_Model_Passport:SIDM00698, ChEMBL-Cells:ChEMBL4523541, ChEMBL-Targets:ChEMBL4523572, CLS:300182, Cosmic:688003, Cosmic:755462, Cosmic:850431, Cosmic:877200, Cosmic:910899, Cosmic:980929, Cosmic:1021853, Cosmic:1032395, Cosmic:1434965, Cosmic:1995524, Cosmic:1998282, Cosmic:2668273, Cosmic-CLP:910899, DepMap:ACH-000506, EGA:EGAS00001000610, EGA:EGAS00001000978, GDSC:910899, GEO:GSM169433, GEO:GSM170726, GEO:GSM170727, GEO:GSM171844, GEO:GSM171845, GEO:GSM380509, GEO:GSM536328, GEO:GSM784247, GEO:GSM794273, GEO:GSM844621, GEO:GSM845540, GEO:GSM887365, GEO:GSM888443, GEO:GSM986172, GEO:GSM1670174, GEO:GSM1887887, GEO:GSM1887965, IARC_TP53:21540, IGRhCellID:NCIH146, KCLB:30173, LiGeA:CCLE_628, Pharmacodb:NCIH146_1019_2019, PRIDE:PXD011896, PRIDE:PXD030304, Progenetix:CVCL_1473, PubChem_Cell_line:CVCL_1473, Wikidata:Q54907813

ID: CVCL_1473

Record Creation Time: 20220427T220837+0000

Record Last Update: 20260829T234740+0000

Ratings and Alerts

No rating or validation information has been found for NCI-H146.

No alerts have been found for NCI-H146.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

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.

Balke-Want H, et al. (2026) c-JUN enhances CRISPR knockin anti-B7-H3 CAR T cell function in small cell lung cancer and thoracic SMARCA4-deficient undifferentiated tumors. Cell reports. Medicine, 7(1), 102549.

Giudice AM, et al. (2025) D3-GPC2-Directed CAR T Cells Are Safe and Efficacious in Preclinical Models of Neuroblastoma and Small Cell Lung Cancer. Clinical cancer research : an official journal of the American Association for Cancer Research, 31(24), 5276.

Zhou W, et al. (2025) A public data-based molecular classification of small cell lung cancer by neuroactive signaling networks unveils distinct microenvironment landscapes and immunotherapy-related prognostic biomarkers. *Translational lung cancer research*, 14(11), 4983.

Wang J, et al. (2025) Molecular mechanisms underlying HRK interaction with BCL-XL and BCL-2 reveal specificity determinants for BH3 mimetics. *iScience*, 28(9), 113309.

Lakhani NJ, et al. (2024) First-in-Human Study with Preclinical Data of BCL-2/BCL-xL Inhibitor Pelcitoclax in Locally Advanced or Metastatic Solid Tumors. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 30(3), 506.

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.

Yoon SJ, et al. (2023) Comprehensive Metabolic Tracing Reveals the Origin and Catabolism of Cysteine in Mammalian Tissues and Tumors. *Cancer research*, 83(9), 1426.

Taniguchi H, et al. (2022) WEE1 inhibition enhances the antitumor immune response to PD-L1 blockade by the concomitant activation of STING and STAT1 pathways in SCLC. *Cell reports*, 39(7), 110814.

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

Raman S, et al. (2021) A GPC2 antibody-drug conjugate is efficacious against neuroblastoma and small-cell lung cancer via binding a conformational epitope. *Cell reports. Medicine*, 2(7), 100344.

Burr ML, et al. (2019) An Evolutionarily Conserved Function of Polycomb Silences the MHC Class I Antigen Presentation Pathway and Enables Immune Evasion in Cancer. *Cancer cell*, 36(4), 385.

Jin L, et al. (2018) MAST1 Drives Cisplatin Resistance in Human Cancers by Rewiring cRaf-Independent MEK Activation. *Cancer cell*, 34(2), 315.