

Resource Summary Report

Generated by [NIF](#) on Sep 20, 2026

NCI-H1355

RRID:CVCL_1464

Type: Cell Line

Proper Citation

RRID:CVCL_1464

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_1464

Proper Citation: RRID:CVCL_1464

Description: Cell line NCI-H1355 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:11030152](#), [PMID:11416159](#), [PMID:12068308](#), [PMID:20164919](#), [PMID:20215515](#), [PMID:22460905](#), [PMID:22961666](#), [PMID:25485619](#), [PMID:25877200](#), [PMID:26589293](#), [PMID:27397505](#), [PMID:28196595](#), [PMID:29681454](#), [PMID:30894373](#), [PMID:30971826](#), [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-H1355

Synonyms: H1355, H-1355, NCIH1355

Cross References: BTO:BTO_0004823, CLO:CLO_0007989, EFO:EFO_0002251, ArrayExpress:E-MTAB-38, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2706, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610, ATCC:CRL-5865, BioGRID_ORCS_Cell_line:954, BioSample:SAMN03471876, BioSample:SAMN10987956, cancercellines:CVCL_1464, Cell_Model_Passport:SIDM00645, ChEMBL-

Cells:CHEMBL3308876, ChEMBL-Targets:CHEMBL2366227, Cosmic:722056, Cosmic:724866, Cosmic:903587, Cosmic:1146876, Cosmic:1995521, Cosmic-CLP:724866, DepMap:ACH-000666, EGA:EGAS00001000610, EGA:EGAS00001000978, GDSC:724866, GEO:GSM108809, GEO:GSM108810, GEO:GSM253322, GEO:GSM434326, GEO:GSM482107, GEO:GSM794312, GEO:GSM817081, GEO:GSM844618, GEO:GSM887358, GEO:GSM888436, GEO:GSM1670168, IARC_TP53:489, IGRhCellID:NCIH1355, KCLB:91355, LiGeA:CCLE_865, LINCS_LDP:LCL-1669, PharmacDB:NCIH1355_1010_2019, PRIDE:PXD030304, Progenetix:CVCL_1464, PubChem_Cell_line:CVCL_1464, Wikidata:Q54907795

ID: CVCL_1464

Record Creation Time: 20220427T220837+0000

Record Last Update: 20260920T004612+0000

Ratings and Alerts

No rating or validation information has been found for NCI-H1355.

Warning: Discontinued: KCLB; 91355

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).

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Lang PA, et al. (2025) Optimized arenaviruses with tumor-tropic mutations promote safe anti-tumor efficacy via sustainable immune modulatory properties. Cell reports. Medicine, 6(10), 102411.

Tani T, et al. (2024) TREX1 Inactivation Unleashes Cancer Cell STING-Interferon Signaling and Promotes Antitumor Immunity. Cancer discovery, 14(5), 752.

Fukuda K, et al. (2024) Targeting WEE1 enhances the antitumor effect of KRAS-mutated non-small cell lung cancer harboring TP53 mutations. Cell reports. Medicine, 5(6), 101578.

Kitajima S, et al. (2022) MPS1 inhibition primes immunogenicity of KRAS-LKB1 mutant lung cancer. Cancer cell, 40(10), 1128.

Kofink C, et al. (2022) A selective and orally bioavailable VHL-recruiting PROTAC achieves SMARCA2 degradation in vivo. *Nature communications*, 13(1), 5969.

Munck JM, et al. (2021) ASTX029, a Novel Dual-mechanism ERK Inhibitor, Modulates Both the Phosphorylation and Catalytic Activity of ERK. *Molecular cancer therapeutics*, 20(10), 1757.

Guerra SL, et al. (2020) A Deregulated HOX Gene Axis Confers an Epigenetic Vulnerability in KRAS-Mutant Lung Cancers. *Cancer cell*, 37(5), 705.

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.

LeBoeuf SE, et al. (2020) Activation of Oxidative Stress Response in Cancer Generates a Druggable Dependency on Exogenous Non-essential Amino Acids. *Cell metabolism*, 31(2), 339.

Yin N, et al. (2019) Protein Kinase C β and Wnt/ β -Catenin Signaling: Alternative Pathways to Kras/Trp53-Driven Lung Adenocarcinoma. *Cancer cell*, 36(2), 156.

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.

Kitajima S, et al. (2018) Overcoming Resistance to Dual Innate Immune and MEK Inhibition Downstream of KRAS. *Cancer cell*, 34(3), 439.