

Resource Summary Report

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

NCI-H460

RRID:CVCL_0459

Type: Cell Line

Proper Citation

RRID:CVCL_0459

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0459

Proper Citation: RRID:CVCL_0459

Description: Cell line NCI-H460 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Lung large cell carcinoma

Defining Citation: [PMID:1311061](#), [PMID:1563005](#), [PMID:2041050](#), [PMID:2388294](#), [PMID:3335022](#), [PMID:3940644](#), [PMID:7718330](#), [PMID:8385084](#), [PMID:8626706](#), [PMID:8806092](#), [PMID:9331090](#), [PMID:10358721](#), [PMID:10700174](#), [PMID:11030152](#), [PMID:11551417](#), [PMID:11583962](#), [PMID:12068308](#), [PMID:12794755](#), [PMID:15746151](#), [PMID:15748285](#), [PMID:15900046](#), [PMID:17088437](#), [PMID:17332333](#), [PMID:18083107](#), [PMID:19372543](#), [PMID:19472407](#), [PMID:19941903](#), [PMID:20164919](#), [PMID:20215515](#), [PMID:20510196](#), [PMID:20557307](#), [PMID:22068913](#), [PMID:22336246](#), [PMID:22347499](#), [PMID:22384151](#), [PMID:22460905](#), [PMID:22628656](#), [PMID:22961666](#), [PMID:23381221](#), [PMID:23856246](#), [PMID:23933261](#), [PMID:24135919](#), [PMID:24279929](#), [PMID:24465237](#), [PMID:24670534](#), [PMID:25120651](#), [PMID:25485619](#), [PMID:25877200](#), [PMID:26589293](#), [PMID:27377824](#), [PMID:27397505](#), [PMID:27807467](#), [PMID:28196595](#), [PMID:28408844](#), [PMID:29444439](#), [PMID:29681454](#), [PMID:30038707](#), [PMID:30894373](#), [PMID:31068700](#), [PMID:31733513](#), [PMID:31803961](#), [PMID:31978347](#), [PMID:33425914](#), [PMID:35839778](#), [PMID:38861359](#)

Comments: Characteristics: Expresses HPRT1 at the surface of the cell membrane (PubMed=28408844)., Population: Caucasian., Part of: NCI-60 cancer cell line panel., Part of: MD Anderson Cell Lines Project., Part of: KuDOS 95 cell line panel., Part of: JFCR39 cancer cell line panel., Part of: EGFR genetic alteration cell panel (ATCC TCP-1027)., 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-H460

Synonyms: NCI.H460, H460, H-460, NCIH460, NCI-HUT-460, NCI-460

Cross References: BTO:BTO_0002207, CLO:CLO_0003601, CLO:CLO_0008089, EFO:EFO_0003044, MCCL:MCC:0000356, CLDB:cl1548, 4DN:4DNSRZBU6PZA, AddexBio:C0016003/39, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2706, ArrayExpress:E-MTAB-2770, ATCC:HTB-177, BCRC:60373, BCRJ:0416, BioGRID_ORCS_Cell_line:523, BioSample:SAMN03471184, BioSample:SAMN10987808, cancercellines:CVCL_0459, CCLV:CCLV-RIE 0962, CCRID:1101HUM-PUMC000355, CCRID:1102HUM-NIFDC00086, CCRID:3101HUMSCSP584, CCRID:3101HUMTCHu205, CCRID:4201HUM-CCTCC00109, CCTCC:GDC0109, Cell_Model_Passport:SIDM00144, CGH-DB:199-1, CGH-DB:9186-4, ChEMBL-Cells:ChEMBL3307677, ChEMBL-Targets:ChEMBL396, CLS:305020, Cosmic:722064, Cosmic:724876, Cosmic:755469, Cosmic:844595, Cosmic:875852, Cosmic:877263, Cosmic:877407, Cosmic:897508, Cosmic:905943, Cosmic:911996, Cosmic:931371, Cosmic:947356, Cosmic:980964, Cosmic:1006534, Cosmic:1017826, Cosmic:1028956, Cosmic:1032436, Cosmic:1044245, Cosmic:1047102, Cosmic:1089231, Cosmic:1092621, Cosmic:1146917, Cosmic:1152502, Cosmic:1154605, Cosmic:1188592, Cosmic:1219077, Cosmic:1239922, Cosmic:1305349, Cosmic:1312334, Cosmic:1434967, Cosmic:1436013, Cosmic:1477420, Cosmic:1802310, Cosmic:1870275, Cosmic:1945869, Cosmic:1995579, Cosmic:1998463, Cosmic:2042872, Cosmic:2058650, Cosmic:2125199, Cosmic:2433756, Cosmic:2560230, Cosmic:2630413, Cosmic:2664114, Cosmic:2772154, Cosmic-CLP:905943, DepMap:ACH-000463, DSMZ:ACC-737, DSMZCellDive:ACC-737, EGA:EGAS00001000610, EGA:EGAS00001002554, ENCODE:ENCBS279XIV, ENCODE:ENCBS398KLJ, ENCODE:ENCBS428IIT, ENCODE:ENCBS446PPO, ENCODE:ENCBS460OUE, ENCODE:ENCBS514AAA, ENCODE:ENCBS515AAA, ENCODE:ENCBS641PGO, ENCODE:ENCBS657CEJ, ENCODE:ENCBS686KKP, ENCODE:ENCBS798ZFS, ENCODE:ENCBS814QPR, FANTOM5_SSTAR:10839-111E2, GDSC:905943, GEO:GSM2152, GEO:GSM50216, GEO:GSM50279, GEO:GSM108853, GEO:GSM108854, GEO:GSM206493, GEO:GSM253335, GEO:GSM274737, GEO:GSM274738, GEO:GSM385522, GEO:GSM385533, GEO:GSM434334, GEO:GSM513936, GEO:GSM514322, GEO:GSM743455, GEO:GSM750809, GEO:GSM784193, GEO:GSM794288, GEO:GSM799343, GEO:GSM799406, GEO:GSM817074, GEO:GSM827469, GEO:GSM844651, GEO:GSM844652, GEO:GSM847076, GEO:GSM887430, GEO:GSM888510, GEO:GSM1153414, GEO:GSM1178473, GEO:GSM1178474, GEO:GSM1178475, GEO:GSM1181352, GEO:GSM1181361, GEO:GSM1374746, GEO:GSM1374747, GEO:GSM1374748, GEO:GSM1557134, GEO:GSM2124676, IARC_TP53:21083, IGRhCellID:NCI-H460%20GEO, IZSLER:BS TCL 197, KCB:KCB 2010102YJ, KCLB:30177, LiGeA:CCL_338, LINCS_LDP:LCL-1784, Lonza:728, NCI-DTP:NCI-H460, PharmacDB:NCIH460_1114_2019, PRIDE:PXD003539, PRIDE:PXD005940, PRIDE:PXD005942, PRIDE:PXD005946, PRIDE:PXD030304, Progenetix:CVCL_0459, PubChem_Cell_line:CVCL_0459, SKY/M-FISH/CGH:2798, Wikidata:Q54908057

ID: CVCL_0459

Record Creation Time: 20220427T220840+0000

Record Last Update: 20260829T234743+0000

Ratings and Alerts

No rating or validation information has been found for NCI-H460.

No alerts have been found for NCI-H460.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 2735 mentions in open access literature.

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

Zhu M, et al. (2026) GFAT2-mediated HSPD1 O-GlcNAcylation drives chemotherapy resistance in non-small cell lung cancer. Journal of experimental & clinical cancer research : CR, 45(1).

Wen T, et al. (2026) SATB2 Mediates H3K9 Delactylation by Recruiting HDAC3 to Repress LCN2 and Inhibit Lung Tumor Growth and Metastasis. Advanced science (Weinheim, Baden-Wurtemberg, Germany), 13(19), e22996.

Fang C, et al. (2026) Base Editing of TIGIT Reprograms CD155 Signaling in Natural Killer Cells to Enhance Cancer Immunotherapy Efficacy. Cancer research, 86(8), 1956.

Pan Y, et al. (2026) A covalent molecular glue hijacks the E3 ligase MKRN2 to degrade the ribosomal protein RPS7 and induce synthetic lethality in p53-deficient NSCLC cells. British journal of pharmacology.

Zhu G, et al. (2026) Accumulated sotorasib-bound KRASG12C reactivates the MAPK pathway and drives sotorasib resistance via the DHX9-RAC1-PAK1 axis. Cell reports, 45(5), 117338.

Watlington WK, et al. (2026) Inhibition of cyclin-dependent kinases 12/13 using CT7439 as a treatment for colorectal cancer with CDK12 upregulation. Molecular oncology.

Brady MR, et al. (2026) Macropinocytosis and Vascularization Determine Response to mTOR Inhibitors in Lung Squamous Cell Carcinoma. Cancer research, 86(5), 1166.

Lin YC, et al. (2026) SQSTM1/p62-mediated PD-L1 biomolecular condensate formation promotes lung tumorigenesis. Journal of advanced research.

Duffy JT, et al. (2026) Fully Humanized Bispecific T Cell Engager Shows Potent Activity in Central Nervous System and Peripheral Tumors. Advanced science (Weinheim, Baden-

Wurttemberg, Germany), 13(35), e22391.

Sun JW, et al. (2026) Synergistic Induction of Apoptosis by Apocytochrome C and Sodium Aescinate Is Mediated by Excessive Autophagy via the AKT-mTOR-TFEB Signaling Axis. *Cell biochemistry and function*, 44(4), e70214.

Menga A, et al. (2026) Mitochondrial I¹B² fuels cancer progression through metabolic rewiring, endothelial activation, and thrombotic spread. *Cell death discovery*, 12(1).

Fenoglio S, et al. (2026) Temporal control of sgRNA library activation unlocks large-scale in vivo CRISPR screens. *Cell reports methods*, 6(7), 101470.

Chen Y, et al. (2026) PFKFB4 Deubiquitination by USP10 Enhances Fumarate Metabolism to Orchestrate the KDM1A/Rad51 Axis and Confer Radioresistance in Lung Cancer. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), e76439.

Wang Z, et al. (2026) DCAF12 Ubiquitin Ligase Promotes Lung Cancer Metastasis by Modulating the TRiC/CCT Chaperonin Complex. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(3), e09695.

Lee M, et al. (2026) LINE-1 Locus Transcription Nucleates Oncogenic Chromatin Architecture. *Cancer discovery*, 16(4), 800.

Pan K, et al. (2026) Lysine methylation-mediated SMYD2 degradation by casticin sensitizes non-small-cell lung cancer cells to osimertinib therapy. *Biochemical pharmacology*, 243(Pt 2), 117562.

Chen QQ, et al. (2026) Phenylethanoid Glycosides From *Clerodendrum bungei* and Their Cytotoxic Activities. *Chemistry & biodiversity*, 23(1), e03074.

Kong L, et al. (2026) Radiation-Enhanced CD24 Membrane Trafficking via GPI Anchoring Mediates Antitumor Immune Evasion. *Cancer research*, 86(6), 1480.

Huart C, et al. (2026) PARP inhibitors induce a senescence phenotype in non-small cell lung carcinoma cell lines. *FEBS open bio*, 16(7), 1370.

Huang Z, et al. (2026) Comprehensive Profiling of N6-methyladenosine (m6A) Readouts Reveals Novel m6A Readers That Regulate Human Embryonic Stem Cell Differentiation. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(18), e10075.