

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](#) on May 10, 2025

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)

Sex: Male

Defining Citation: [PMID:1311061](#), [PMID:1563005](#), [PMID:2041050](#), [PMID:2388294](#), [PMID:3335022](#), [PMID:3940644](#), [PMID:7718330](#), [PMID:8385084](#), [PMID:8626706](#), [PMID:8806092](#), [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:31803961](#), [PMID:31978347](#), [PMID:33425914](#), [PMID:35839778](#)

Comments: Omics: Transcriptome analysis by RNAseq., Omics: Transcriptome analysis by microarray., Omics: SNP array analysis., Omics: Protein expression by reverse-phase protein arrays., Omics: Metabolome analysis., Omics: lncRNA expression profiling., Omics: Fluorescence phenotype profiling., Omics: Deep quantitative proteome analysis., Omics: Deep proteome analysis., Omics: Deep phosphoproteome analysis., Omics: Deep exome analysis., Omics: CNV analysis., Omics: Array-based CGH., 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

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:1154605, Cosmic:1152502, 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, 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:GSM827469, GEO:GSM844652, GEO:GSM844651, 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: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: 20250131T201502+0000

Record Last Update: 20250131T203142+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 2657 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Chen YF, et al. (2024) Identification of arnicolide C as a novel chemosensitizer to suppress mTOR/E2F1/FANCD2 axis in non-small cell lung cancer. British journal of pharmacology, 181(8), 1221.

Singh AK, et al. (2024) Development of a [89Zr]Zr-labeled Human Antibody using a Novel Phage-displayed Human scFv Library. Clinical cancer research : an official journal of the American Association for Cancer Research, 30(7), 1293.

Peng F, et al. (2024) Oncogenic fatty acid oxidation senses circadian disruption in sleep-deficiency-enhanced tumorigenesis. Cell metabolism, 36(7), 1598.

Verdura S, et al. (2024) Silibinin is a suppressor of the metastasis-promoting transcription factor ID3. Phytomedicine : international journal of phytotherapy and phytopharmacology, 128, 155493.

?asut-Szyszkka B, et al. (2024) Strong activation of p53 by actinomycin D and nutlin-3a overcomes the resistance of cancer cells to the pro-apoptotic activity of the FAS ligand. Apoptosis : an international journal on programmed cell death, 29(9-10), 1515.

Xu X, et al. (2024) CD74-ROS1 L2026M mutant enhances autophagy through the MEK/ERK pathway to promote invasion, metastasis and crizotinib resistance in non-small cell lung cancer cells. The FEBS journal, 291(6), 1199.

De Rosa C, et al. (2024) PBMCs as Tool for Identification of Novel Immunotherapy Biomarkers in Lung Cancer. Biomedicines, 12(4).

Kweon TH, et al. (2024) O-GlcNAcylation of RBM14 contributes to elevated cellular O-GlcNAc through regulation of OGA protein stability. Cell reports, 43(5), 114163.

Meng F, et al. (2024) Enhanced pharmacological activities of AKR1C3-activated prodrug AST-3424 in cancer cells with defective DNA repair. *International journal of cancer*.

Kottmann V, et al. (2024) Bone sialoprotein stimulates cancer cell adhesion through the RGD motif and the $\alpha 3$ and $\alpha 5$ integrin receptors. *Oncology letters*, 28(5), 542.

Ito J, et al. (2024) PRDX6 dictates ferroptosis sensitivity by directing cellular selenium utilization. *Molecular cell*, 84(23), 4629.

Ibáñez-Molero S, et al. (2024) Phosphoprotein dynamics of interacting T cells and tumor cells by HySic. *Cell reports*, 43(1), 113598.

Sun H, et al. (2024) TERC promotes non-small cell lung cancer progression by facilitating the nuclear localization of TERT. *iScience*, 27(6), 109869.

Bagnyukova T, et al. (2024) Synergy of EGFR and AURKA Inhibitors in KRAS-mutated Non-small Cell Lung Cancers. *Cancer research communications*, 4(5), 1227.

Pilié PG, et al. (2024) Ataxia-Telangiectasia Mutated Loss-of-Function Displays Variant and Tissue-Specific Differences across Tumor Types. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 30(10), 2121.

Wang M, et al. (2024) Therapeutic induction of ferroptosis in tumors using PD-L1 targeting antibody nanogel conjugates. *Cell chemical biology*, 31(12), 2039.

Geroyska S, et al. (2024) N-Myristoyltransferase Inhibition Causes Mitochondrial Iron Overload and Parthanatos in TIM17A-Dependent Aggressive Lung Carcinoma. *Cancer research communications*, 4(7), 1815.

Hung CH, et al. (2024) Defective N-glycosylation of IL6 induces metastasis and tyrosine kinase inhibitor resistance in lung cancer. *Nature communications*, 15(1), 7885.

Greenwood HE, et al. (2024) Imaging NRF2 activation in non-small cell lung cancer with positron emission tomography. *Nature communications*, 15(1), 10484.

Pelos G, et al. (2024) Fast proliferating and slowly migrating non-small cell lung cancer cells are vulnerable to decitabine and retinoic acid combinatorial treatment. *International journal of cancer*, 154(6), 1029.