

Resource Summary Report

Generated by [NIF](#) on Sep 9, 2026

NCI-H1648

RRID:CVCL_1482

Type: Cell Line

Proper Citation

RRID:CVCL_1482

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_1482

Proper Citation: RRID:CVCL_1482

Description: Cell line NCI-H1648 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Lung adenocarcinoma

Defining Citation: [PMID:1311061](#), [PMID:8806092](#), [PMID:9559342](#), [PMID:10987304](#), [PMID:11030152](#), [PMID:16187286](#), [PMID:18083107](#), [PMID:19472407](#), [PMID:20164919](#), [PMID:20557307](#), [PMID:22460905](#), [PMID:22961666](#), [PMID:25485619](#), [PMID:25877200](#), [PMID:26589293](#), [PMID:27397505](#), [PMID:28196595](#), [PMID:29681454](#), [PMID:30038707](#), [PMID:30894373](#), [PMID:31068700](#), [PMID:31803961](#), [PMID:35839778](#)

Comments: Population: African American., 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-H1648

Synonyms: H1648, H-1648, NCIH1648

Cross References: CLO:CLO_0008006, EFO:EFO_0003119, ArrayExpress:E-MTAB-2706, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610, ATCC:CRL-5882, BioSample:SAMN03473271, BioSample:SAMN10988142, cancercellines:CVCL_1482, Cell_Model_Passport:SIDM00746, ChEMBL-Cells:ChEMBL3308315, ChEMBL-Targets:ChEMBL2366214, Cosmic:687799, Cosmic:877244, Cosmic:877428,

Cosmic:903597, Cosmic:931372, Cosmic:980979, Cosmic:1028941, Cosmic:1032451, Cosmic:1146882, Cosmic:1152511, Cosmic:1154594, Cosmic:1219083, Cosmic:1239886, Cosmic:1891893, Cosmic:1995529, Cosmic:2125235, Cosmic:2628355, Cosmic:2629444, Cosmic-CLP:687799, DepMap:ACH-000766, EGA:EGAS00001000610, EGA:EGAS00001000978, EGA:EGAS00001002554, GDSC:687799, GEO:GSM62326, GEO:GSM108817, GEO:GSM108818, GEO:GSM253366, GEO:GSM434268, GEO:GSM794323, GEO:GSM817085, GEO:GSM887372, GEO:GSM888450, GEO:GSM1670180, IARC_TP53:499, IARC_TP53:21403, IGRhCellID:H1648GEO, LiGeA:CCLE_277, LINCS_HMS:50032, LINCS_LDP:LCL-1632, PharmacoDB:NCIH1648_1027_2019, PRIDE:PXD030304, Progenetix:CVCL_1482, PubChem_Cell_line:CVCL_1482, Wikidata:Q54907837

ID: CVCL_1482

Record Creation Time: 20220427T220838+0000

Record Last Update: 20260905T181242+0000

Ratings and Alerts

No rating or validation information has been found for NCI-H1648.

No alerts have been found for NCI-H1648.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Jeong J, et al. (2025) NSD2 inhibitors rewire chromatin to treat lung and pancreatic cancers. *Nature*.

Pulice JL, et al. (2025) Amplified dosage of the NKX2-1 lineage transcription factor controls its oncogenic role in lung adenocarcinoma. *Molecular cell*, 85(7), 1311.

Knoll N, et al. (2025) CRISPR-Drug Combinatorial Screening Identifies Effective Combination Treatments for MTAP-Deleted Cancer. *Cancer research*, 85(18), 3518.

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.

Aboukassim T, et al. (2023) A NRF2 inhibitor selectively sensitizes KEAP1 mutant tumor cells to cisplatin and gefitinib by restoring NRF2-inhibitory function of KEAP1 mutants. *Cell reports*, 42(9), 113104.

Orlando E, et al. (2022) An oncogene addiction phosphorylation signature and its derived scores inform tumor responsiveness to targeted therapies. Cellular and molecular life sciences : CMLS, 80(1), 6.

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.

Ge P, et al. (2019) miR-762 activation confers acquired resistance to gefitinib in non-small cell lung cancer. BMC cancer, 19(1), 1203.