

Resource Summary Report

Generated by [NIF](#) on Sep 19, 2026

PC-14

RRID:CVCL_1640

Type: Cell Line

Proper Citation

RRID:CVCL_1640

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_1640

Proper Citation: RRID:CVCL_1640

Description: Cell line PC-14 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Lung adenocarcinoma

Defining Citation: [PMID:1847845](#), [PMID:4094096](#), [PMID:10358721](#), [PMID:10536175](#), [PMID:11005564](#), [PMID:11416159](#), [PMID:14581340](#), [PMID:15185009](#), [PMID:15746151](#), [PMID:15901131](#), [PMID:16105816](#), [PMID:19472407](#), [PMID:20164919](#), [PMID:20215515](#), [PMID:20557307](#), [PMID:22313637](#), [PMID:22460905](#), [PMID:25120651](#), [PMID:26589293](#), [PMID:27397505](#), [PMID:30894373](#), [PMID:30971826](#), [PMID:31068700](#), [PMID:31978347](#), [PMID:35839778](#)

Comments: Caution: TP53 mutation indicated incorrectly as being at c.742C>T in PubMed=10536175 and PubMed=20557307., Population: Chinese; Han and Japanese., From: Immuno-Biological Laboratories (IBL); Tokyo; Japan., Part of: COSMIC cell lines project., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE)., Problematic cell line: Contaminated. Shown to be a PC-9 derivative (RCB=RCB0446)..

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: PC-14

Synonyms: PC 14, PC14

Cross References: BTO:BTO_0002877, CLO:CLO_0008394, EFO:EFO_0002844, CLDB:cl3880, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610, BioGRID_ORCS_Cell_line:388, BioSample:SAMN10987800, cancercellines:CVCL_1640, Cell_Model_Passport:SIDM00237, CGH-DB:205-1, CGH-DB:9169-4, ChEMBL-Cells:ChEMBL3307306, ChEMBL-Targets:ChEMBL614140, Cosmic:753608, Cosmic:801577, Cosmic:876138, Cosmic:897744, Cosmic:932924, Cosmic:946060, Cosmic:1239897, Cosmic:1571737, Cosmic:1656894, Cosmic:1995612, Cosmic:2125282, Cosmic:2668308, Cosmic-CLP:753608, DepMap:ACH-000030, ECACC:90071810, EGA:EGAS00001000978, FANTOM5_SSTAR:10408-106B3, GDSC:753608, GEO:GSM827410, GEO:GSM887505, GEO:GSM888587, GEO:GSM1670338, IARC_TP53:11872, IARC_TP53:21133, LiGeA:CCLE_627, LINCS_LDP:LCL-1656, PharmacDB:PC14_1247_2019, PRIDE:PXD030304, Progenetix:CVCL_1640, PubChem_Cell_line:CVCL_1640, RCB:RCB0446, Wikidata:Q54938396

ID: CVCL_1640

Hierarchy: cvcl_b260

Record Creation Time: 20220427T221413+0000

Record Last Update: 20260920T005416+0000

Ratings and Alerts

No rating or validation information has been found for PC-14.

Warning: Problematic cell line: Contaminated. Shown to be a PC-9 derivative (RCB). Caution: TP53 mutation indicated incorrectly as being at c.742C>T in PubMed=10536175 and PubMed=20557307., Population: Chinese; Han and Japanese., From: Immuno-Biological Laboratories (IBL); Tokyo; Japan., Part of: COSMIC cell lines project., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE)., Problematic cell line: Contaminated. Shown to be a PC-9 derivative (RCB=RCB0446).. **Warning:** Discontinued: RCB; RCB0446 Caution: TP53 mutation indicated incorrectly as being at c.742C>T in PubMed=10536175 and PubMed=20557307., Population: Chinese; Han and Japanese., From: Immuno-Biological Laboratories (IBL); Tokyo; Japan., Part of: COSMIC cell lines project., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE)., Problematic cell line: Contaminated. Shown to be a PC-9 derivative (RCB=RCB0446)..

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Wang YS, et al. (2026) EGFR and IRE1 γ pathways are associated with distinct immunomodulatory gene expression profiles in NSCLC cells with acquired resistance to EGFR TKIs. Archives of biochemistry and biophysics, 779, 110762.

Nopia H, et al. (2026) Suppression of lung adenocarcinoma migration through organelle alkalization by human lactoferrin - albumin fusion. FEBS open bio.

Feng Y, et al. (2023) Engineering CD276/B7-H3-targeted antibody-drug conjugates with enhanced cancer-eradicating capability. Cell reports, 42(12), 113503.

Stribbling SM, et al. (2022) The cell-line-derived subcutaneous tumor model in preclinical cancer research. Nature protocols, 17(9), 2108.

Kang J, et al. (2022) EGFR-phosphorylated GDH1 harmonizes with RSK2 to drive CREB activation and tumor metastasis in EGFR-activated lung cancer. Cell reports, 41(11), 111827.

Gurtner K, et al. (2020) Radioresistance of KRAS/TP53-mutated lung cancer can be overcome by radiation dose escalation or EGFR tyrosine kinase inhibition in vivo. International journal of cancer, 147(2), 472.