

Resource Summary Report

Generated by [RRID](#) on Sep 2, 2026

PANC-1

RRID:CVCL_0480

Type: Cell Line

Proper Citation

RRID:CVCL_0480

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0480

Proper Citation: RRID:CVCL_0480

Description: Cell line PANC-1 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Pancreatic ductal adenocarcinoma

Defining Citation: [PMID:1140870](#), [PMID:1630814](#), [PMID:1764370](#), [PMID:6435863](#), [PMID:7809022](#), [PMID:7961102](#), [PMID:8026879](#), [PMID:8194712](#), [PMID:8286197](#), [PMID:9023415](#), [PMID:9788440](#), [PMID:10027410](#), [PMID:11115575](#), [PMID:11169957](#), [PMID:11169959](#), [PMID:11787853](#), [PMID:12692724](#), [PMID:12800145](#), [PMID:14695172](#), [PMID:15126341](#), [PMID:15367885](#), [PMID:15688027](#), [PMID:15770730](#), [PMID:16912165](#), [PMID:18298655](#), [PMID:18380791](#), [PMID:18575732](#), [PMID:19077451](#), [PMID:20037478](#), [PMID:20418756](#), [PMID:21515691](#), [PMID:21607521](#), [PMID:22460905](#), [PMID:22585861](#), [PMID:23325432](#), [PMID:25167228](#), [PMID:25394408](#), [PMID:25485619](#), [PMID:25877200](#), [PMID:26216984](#), [PMID:26589293](#), [PMID:26884312](#), [PMID:27067801](#), [PMID:27259358](#), [PMID:28196595](#), [PMID:29894427](#), [PMID:30156359](#), [PMID:30894373](#), [PMID:31037374](#), [PMID:31068700](#), [PMID:31978347](#), [PMID:32058723](#), [PMID:32782605](#)

Comments: Caution: Additional TP53 mutation in c.815T>C indicated incorrectly in PubMed=1630814., Karyotypic information: Has lost chromosome Y., Population: Caucasian., Part of: MD Anderson Cell Lines Project., Part of: KuDOS 95 cell line panel., Part of: ENCODE project common cell types; tier 3., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE)., Part of: AKT genetic alteration cell panel (ATCC TCP-1029).

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: PANC-1

Synonyms: Panc-1, PANC.1, Panc 1, PanC1, Panc1, PANC1, Panc-1-P

Cross References: BCGO:BCGO_0000122, BTO:BTO_0000304, CLO:CLO_0008381, CLO:CLO_0050102, EFO:EFO_0002713, MCCL:MCC:0000378, CLDB:cl3872, CLDB:cl3873, CLDB:cl3874, 4DN:4DNSRDQPS1VU, AddexBio:C0018010/4923, ArrayExpress:E-MTAB-2706, ArrayExpress:E-MTAB-2770, ATCC:CRL-1469, BCRC:60284, BCRJ:0201, BioGRID_ORCS_Cell_line:190, BioSample:SAMN01821587, BioSample:SAMN03472068, BioSample:SAMN05292439, BioSample:SAMN10987682, cancercellines:CVCL_0480, CCRID:1101HUM-PUMC000023, CCRID:3101HUMSCSP535, CCRID:3101HUMTCHu98, CCRID:4201HUM-CCTCC00309, CCRID:5301HUM-KCB08009YJ, CCTCC:GDC0309, Cell_Model_Passport:SIDM00610, CGH-DB:180-1, CGH-DB:9267-4, ChEMBL-Cells:ChEMBL3307545, ChEMBL-Targets:ChEMBL614139, CLS:300228, Cosmic:707250, Cosmic:710864, Cosmic:724643, Cosmic:730533, Cosmic:753625, Cosmic:808171, Cosmic:868242, Cosmic:873000, Cosmic:913307, Cosmic:918054, Cosmic:922248, Cosmic:923171, Cosmic:932521, Cosmic:947397, Cosmic:948377, Cosmic:949235, Cosmic:968106, Cosmic:1006367, Cosmic:1108335, Cosmic:1122348, Cosmic:1198204, Cosmic:1299304, Cosmic:1320459, Cosmic:1366282, Cosmic:1477432, Cosmic:1518236, Cosmic:1534320, Cosmic:1571781, Cosmic:1609544, Cosmic:1644316, Cosmic:1768264, Cosmic:2434107, Cosmic:2546060, Cosmic:2664043, Cosmic:2755953, DepMap:ACH-000164, DSMZ:ACC-783, DSMZCellDive:ACC-783, ECACC:87092802, EGA:EGAS00001000610, ENCODE:ENCBS101NPD, ENCODE:ENCBS314FVF, ENCODE:ENCBS397PLZ, ENCODE:ENCBS399ENC, ENCODE:ENCBS425ENC, ENCODE:ENCBS465AAA, ENCODE:ENCBS466AAA, ENCODE:ENCBS467AAA, ENCODE:ENCBS470AAA, ENCODE:ENCBS492WPY, ENCODE:ENCBS556WYR, ENCODE:ENCBS729QZR, ENCODE:ENCBS761TKL, ENCODE:ENCBS808TSD, ENCODE:ENCBS830QHD, ENCODE:ENCBS945URM, GEO:GSM206532, GEO:GSM244423, GEO:GSM383934, GEO:GSM472938, GEO:GSM472939, GEO:GSM621900, GEO:GSM784698, GEO:GSM887501, GEO:GSM888583, GEO:GSM923421, GEO:GSM945246, GEO:GSM945261, GEO:GSM1022632, GEO:GSM1024411, GEO:GSM1374806, GEO:GSM1374807, GEO:GSM1374808, GEO:GSM1435699, GEO:GSM1435700, GEO:GSM1435701, GEO:GSM1588613, GEO:GSM1588625, GEO:GSM3333104, GEO:GSM3333105, GEO:GSM3333108, GEO:GSM3333109, IARC_TP53:317, IBRC:C10156, IZSLER:BS TCL 49, KCB:KCB 200788YJ, KCB:KCB 200809YJ, KCLB:21469, LiGeA:CCLE_087, LINCX_LDP:LCL-1726, Lonza:818, MetaboLights:MTBLS812, MetaboLights:MTBLS9283, NCBI_Iran:C556, PharmacDB:PANC1_1246_2019, PRIDE:PXD002192, PRIDE:PXD003198, PRIDE:PXD032263, Progenetix:CVCL_0480, PubChem_Cell_line:CVCL_0480, RCB:RCB2095, SKY/M-FISH/CGH:2001, TKG:TKG 0606, TOKU-E:2865, Ubigen:YC-C130, Wikidata:Q54937550

ID: CVCL_0480

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Ratings and Alerts

No rating or validation information has been found for PANC-1.

No alerts have been found for PANC-1.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 2881 mentions in open access literature.

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

Saini P, et al. (2026) Targeting Interactions Between Siglec-10 and $\alpha 5 \beta 1$ Integrin Enhances Macrophage-Mediated Phagocytosis of Pancreatic Cancer. *Cancer research*, 86(1), 99.

Kaur T, et al. (2026) Loss of Regulator of G Protein Signaling 11 Promotes Protumorigenic Features in Pancreatic Cancer. *Molecular cancer research : MCR*, 24(1), 34.

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Wang J, et al. (2026) Systematic annotation of orphan RNAs reveals blood-accessible molecular barcodes of cancer identity and cancer-emergent oncogenic drivers. *Cell reports. Medicine*, 7(2), 102577.

Bai Y, et al. (2026) USP20-RAB8A signaling axis restricts pancreatic cancer progression by disrupting GLUT1 vesicular trafficking and inhibiting glucose uptake. *Cancer letters*, 642, 218299.

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Anh DXT, et al. (2026) GlycoChat Uncovers Glycan-Lectin Circuits in the Tumor Microenvironment of Pancreatic Cancer. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 13(14), e14735.

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Liang X, et al. (2026) CK2-mediated HDAC5 shuttling regulates DNA end resection through Ku70 deacetylation. *Theranostics*, 16(7), 3648.

Reavis HD, et al. (2026) Alprazolam Reduces Inflammatory Cytokine Production in Pancreatic Cancer-Associated Fibroblasts. *Cancer research communications*, 6(5), 1048.

Dai H, et al. (2026) 5'-NucA-SMCC-DM1 and 5'-NucA-SPDMV-DM1 are Potent Aptamer-Drug Conjugates against Pancreatic Cancer. *ACS omega*, 11(7), 12461.

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Gong D, et al. (2026) GLIS3 marks a neural-like progenitor cell state that drives metastasis in pancreatic ductal adenocarcinoma. *Cell reports*, 45(5), 117314.

Chen C, et al. (2026) Vorinostat Potentiates Chemoimmunotherapy in Immune-Enriched Pancreatic Cancer. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(35), e21844.

Bajgain P, et al. (2026) Engineering functionality-optimized fully human B7-H3 CAR T cells for enhanced solid tumor therapy. *Cell reports. Medicine*, 7(5), 102782.

Kong C, et al. (2026) Targeting HAS2 to enhance anti-tumor immunity in pancreatic cancer via PD-L1 regulation. *Communications biology*, 9(1).

Wang X, et al. (2026) Mapping Genetic Regulation of Transcription to Identify Functional Variants and Genes Associated with Pancreatic Cancer Risk. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(29), e17184.

Zhao W, et al. (2026) FLIM Playground: An interactive, end-to-end graphical user interface for analyzing single cells with fluorescence lifetime imaging microscopy. *Cell reports methods*, 101484.

Roach MK, et al. (2026) Vertical inhibition of the autophagy pathway impairs growth and enhances sensitivity to mTORC1 inhibition in pancreatic ductal adenocarcinoma. *bioRxiv : the preprint server for biology*.

Manoukian P, et al. (2026) Estrogen Production in Pancreatic Cancer Shapes a Tumor-Suppressive Stromal Microenvironment. *Cancer research*, 86(3), 571.