Resource Summary Report

Generated by dkNET on Sep 3, 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, cancercelllines: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, LINCS_LDP:LCL-1726, Lonza:818, MetaboLights:MTBLS812, MetaboLights:MTBLS9283, NCBI_Iran:C556, PharmacoDB: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, Ubigene: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 dkNET .

Wang J, et al. (2026) Cyclic di-GMP suppresses cancer metastasis by targeting proteasome 26S subunit non-ATPase 3 independently of STING. Signal transduction and targeted therapy, 11(1), 44.

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.

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.

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

Saini P, et al. (2026) Targeting Interactions Between Siglec-10 and ??3??1 Integrin Enhances Macrophage-Mediated Phagocytosis of Pancreatic Cancer. Cancer research, 86(1), 99.

Gao M, et al. (2026) Shaping Tumor Microenvironment by Amplifying the Complement Cascade for Improved Immune Response in Pancreatic Cancer Model. Molecular cancer therapeutics, 25(3), 469.

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.

Miyan J, et al. (2026) The combination of BCL-xL PROTAC and mTOR inhibitor sensitizes pancreatic ductal adenocarcinoma to KRAS G12D inhibitor treatment by enhancing apoptosis induction. bioRxiv : the preprint server for biology.

Hosogane M, et al. (2026) Variant-specific interaction of kinectin 1 with the multi-tRNA synthetase complex regulates ER sheet organization. iScience, 29(1), 114303.

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.

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.

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.

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

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

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

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.

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.

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.