Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Mar 31, 2025

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)

Sex: Male

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: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., Omics: Transcriptome analysis by serial analysis of gene expression (SAGE)., Omics: Transcriptome analysis by RNAseq., Omics: Transcriptome analysis by microarray., Omics: SNP array analysis., Omics: Proteome analysis by 2D-DE/MS., Omics: Protein expression by reverse-phase protein arrays., Omics: miRNA expression profiling., Omics: Metabolome analysis., Omics: H3K4me3 ChIP-seq epigenome analysis., Omics: DNA methylation analysis., Omics: Deep quantitative proteome analysis., Omics: Deep proteome analysis., Omics: Deep exome analysis., Omics: Array-based CGH., 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

Name: PANC-1

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

Cross References: BioGRID_ORCS_Cell_line:190, 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, 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:1644316, Cosmic:1609544, 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:GSM1024411, GEO:GSM1022632, 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, 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

Record Creation Time: 20250131T202217+0000

Record Last Update: 20250131T204039+0000

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 2696 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Yoshida Y, et al. (2025) Targeting macrophage circadian rhythms with microcurrent stimulation to activate cancer immunity through phagocytic defense. Theranostics, 15(2), 340.

Yang S, et al. (2024) The GATOR2 complex maintains lysosomal-autophagic function by inhibiting the protein degradation of MiT/TFEs. Molecular cell, 84(4), 727.

Saggese P, et al. (2024) Glucose Deprivation Promotes Pseudohypoxia and Dedifferentiation in Lung Adenocarcinoma. Cancer research, 84(2), 305.

Hartl L, et al. (2024) Hypoxia Abrogates Tumor-Suppressive Activities of C/EBP? in Pancreatic Cancer. International journal of molecular sciences, 25(17).

Tsao HW, et al. (2024) Targeting the aminopeptidase ERAP enhances antitumor immunity by disrupting the NKG2A-HLA-E inhibitory checkpoint. Immunity, 57(12), 2863.

Abboud M, et al. (2024) Revealing the tumor suppressive sequence within KL1 domain of the hormone Klotho. Oncogene, 43(5), 354.

Shrestha H, et al. (2024) The Janus kinase 1 is critical for pancreatic cancer initiation and progression. Cell reports, 43(5), 114202.

Ohara Y, et al. (2024) LMO3 is a suppressor of the basal-like/squamous subtype and reduces disease aggressiveness of pancreatic cancer through glycerol 3-phosphate

metabolism. Carcinogenesis.

Wang Y, et al. (2024) Inhibition of autophagy induced by tetrandrine promotes the accumulation of reactive oxygen species and sensitizes efficacy of tetrandrine in pancreatic cancer. Cancer cell international, 24(1), 241.

Liu J, et al. (2024) QDPR deficiency drives immune suppression in pancreatic cancer. Cell metabolism, 36(5), 984.

Moreno P, et al. (2024) ADRA2A promotes the classical/progenitor subtype and reduces disease aggressiveness of pancreatic cancer. bioRxiv : the preprint server for biology.

Zheng JH, et al. (2024) A CLIC1 network coordinates matrix stiffness and the Warburg effect to promote tumor growth in pancreatic cancer. Cell reports, 43(8), 114633.

Ohara Y, et al. (2024) ELAPOR1 induces the classical/progenitor subtype and contributes to reduced disease aggressiveness through metabolic reprogramming in pancreatic cancer. International journal of cancer, 155(3), 569.

Sonnemann HM, et al. (2024) Placental co-transcriptional activator Vestigial-like 1 (VGLL1) drives tumorigenesis via increasing transcription of proliferation and invasion genes. Frontiers in oncology, 14, 1403052.

Girolimetti G, et al. (2024) Characterization of Chemoresistance in Pancreatic Cancer: A Look at MDR-1 Polymorphisms and Expression in Cancer Cells and Patients. International journal of molecular sciences, 25(15).

Horie M, et al. (2024) Exosomes secreted by ST3GAL5high cancer cells promote peritoneal dissemination by establishing a premetastatic microenvironment. Molecular oncology, 18(1), 21.

Ku B, et al. (2024) PRMT1 promotes pancreatic cancer development and resistance to chemotherapy. Cell reports. Medicine, 5(3), 101461.

Haastrup MO, et al. (2024) Mitochondrial Translocase TOMM22 Is Overexpressed in Pancreatic Cancer and Promotes Aggressive Growth by Modulating Mitochondrial Protein Import and Function. Molecular cancer research : MCR, 22(2), 197.

Saleh H, et al. (2024) KH-like Domains in PARP9/DTX3L and PARP14 Coordinate Protein-Protein Interactions to Promote Cancer Cell Survival. Journal of molecular biology, 436(4), 168434.

He C, et al. (2024) Vitamin B6 Competition in the Tumor Microenvironment Hampers Antitumor Functions of NK Cells. Cancer discovery, 14(1), 176.