Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 17, 2025

BxPC-3

RRID:CVCL_0186
Type: Cell Line

Proper Citation

(RRID:CVCL_0186)

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0186

Proper Citation: (RRID:CVCL_0186)

Sex: Female

Defining Citation: PMID:1630814, PMID:1764370, PMID:3754176, PMID:7961102, PMID:8026879, PMID:8194712, PMID:8286197, PMID:8426738, PMID:9788440, PMID:10027410, PMID:10408907, PMID:11115575, PMID:11169959, PMID:12692724, PMID:15126341, PMID:15367885, PMID:15688027, PMID:16912165, PMID:18298655, PMID:18380791, PMID:20037478, PMID:20164919, PMID:20418756, PMID:21607521, PMID:22460905, PMID:22585861, PMID:25167228, PMID:25485619, PMID:25877200, PMID:25984343, PMID:26216984, PMID:26589293, PMID:27073551, PMID:27229158, PMID:27259358, PMID:27397505, PMID:27910856, PMID:28196595, PMID:29444439, PMID:30894373, PMID:30971826, PMID:31068700, PMID:31978347, PMID:32782605, PMID:35839778

Comments: Caution: Additional TP53 mutation in c.793C>T indicated incorrectly in PubMed=1630814., Omics: Transcriptome analysis by RNAseq., Omics: Transcriptome analysis by microarray., Omics: SNP array analysis., Omics: shRNA library screening., Omics: Protein expression by reverse-phase protein arrays., Omics: miRNA expression profiling., Omics: Metabolome analysis., Omics: DNA methylation analysis., Omics: Deep quantitative proteome analysis., Omics: Deep proteome analysis., Omics: Deep exome analysis., Omics: CRISPR phenotypic screen., Omics: Array-based CGH., Population: Caucasian., Part of: MD Anderson Cell Lines Project., Part of: KuDOS 95 cell line panel., Part of: COSMIC cell lines project., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE).

Category: Cancer cell line

Name: BxPC-3

Synonyms: BxPc-3, BXPC-3, Bx-PC3, BXPC3, BxPC3, BxPc3, Biopsy xenograft of Pancreatic Carcinoma line-3

Cross References: BTO:BTO_0001861, CLO:CLO_0002065, EFO:EFO_0002709, MCCL:MCC:0000077, CLDB:cl516, CLDB:cl517, CLDB:cl518, AddexBio:C0018003/27, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2706, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610, ATCC:CRL-1687, BCRC:60283, BCRJ:0056, BioGRID_ORCS_Cell_line:162, BioSample:SAMN03470942, BioSample:SAMN10987955, cancercelllines:CVCL_0186, CCRID:1101HUM-PUMC000274, CCRID:3101HUMTCHu012, Cell_Model_Passport:SIDM00132, CGH-DB:161-1, CGH-DB:9272-4, ChEMBL-Cells:CHEMBL3307637, ChEMBL-Targets:CHEMBL614530, CLS:305031, Cosmic:707248, Cosmic:730531, Cosmic:736269, Cosmic:755301, Cosmic:808164, Cosmic:872995, Cosmic:906693, Cosmic:913310, Cosmic:918055, Cosmic:922251, Cosmic:923165, Cosmic:932515, Cosmic:933516, Cosmic:947403, Cosmic:948372, Cosmic:949321, Cosmic:968108, Cosmic:1006369, Cosmic:1198209, Cosmic:1299295, Cosmic:1366281, Cosmic:1477430, Cosmic:1518232, Cosmic:1534316, Cosmic:1571773, Cosmic:1644317, Cosmic:1768263, Cosmic:1945873, Cosmic:2434095, Cosmic:2820476, Cosmic-CLP:906693, DepMap:ACH-000535, DSMZ:ACC-760, DSMZCellDive:ACC-760, ECACC:93120816, EGA:EGAS00001000610, EGA:EGAS00001000978, GDSC:906693, GEO:GSM206447, GEO:GSM621894, GEO:GSM784699, GEO:GSM886896, GEO:GSM887961, GEO:GSM1024397, GEO:GSM1374415, GEO:GSM1374416, GEO:GSM1374417, GEO:GSM1588608, GEO:GSM1588620, GEO:GSM1669634, GEO:GSM1906991, GEO:GSM1906992, GEO:GSM1906993, IARC_TP53:312, ICLC:HTL96011, IZSLER:BS TCL 4, KCB:KCB 200428YJ, LiGeA:CCLE_491, LINCS_LDP:LCL-1731, Lonza:1013, PharmacoDB:BxPC3_149_2019, PRIDE:PXD003198, PRIDE:PXD030304, PRIDE:PXD032263, Progenetix:CVCL_0186, PubChem_Cell_line:CVCL_0186, SKY/M-FISH/CGH:1995, TOKU-E:707, Ubigene:YC-C015, Wikidata:Q54798758

ID: CVCL_0186

Record Creation Time: 20220427T215417+0000

Record Last Update: 20250131T100224+0000

Ratings and Alerts

No rating or validation information has been found for BxPC-3.

No alerts have been found for BxPC-3.

Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 1245 mentions in open access literature.

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

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.

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

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.

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.

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

Wehrli M, et al. (2024) Mesothelin CAR T Cells Secreting Anti-FAP/Anti-CD3 Molecules Efficiently Target Pancreatic Adenocarcinoma and its Stroma. Clinical cancer research : an official journal of the American Association for Cancer Research, 30(9), 1859.

Bootsma S, et al. (2024) Exploiting a subtype-specific mitochondrial vulnerability for successful treatment of colorectal peritoneal metastases. Cell reports. Medicine, 5(5), 101523.

Long AW, et al. (2024) Heterodimerization of T cell engaging bispecific antibodies to enhance specificity against pancreatic ductal adenocarcinoma. Journal of hematology & oncology, 17(1), 20.

Wang T, et al. (2024) Inhibition of Nogo-B reduces the progression of pancreatic cancer by regulation NF-?B/GLUT1 and SREBP1 pathways. iScience, 27(5), 109741.

Furuya-Ikude C, et al. (2024) NCF-1 plays a pivotal role in the survival of adenocarcinoma cells of pancreatic and gastric origins. In vitro cellular & developmental biology. Animal, 60(10), 1151.

Alors-Pérez E, et al. (2024) Spliceosomic dysregulation in pancreatic cancer uncovers splicing factors PRPF8 and RBMX as novel candidate actionable targets. Molecular oncology, 18(10), 2524.

Chang Y, et al. (2024) The UBE2F-CRL5ASB11-DIRAS2 axis is an oncogene and tumor suppressor cascade in pancreatic cancer cells. Developmental cell, 59(10), 1317.

Sneider A, et al. (2024) Small Extracellular Vesicles Promote Stiffness-mediated Metastasis. Cancer research communications, 4(5), 1240.

Savage SR, et al. (2024) Pan-cancer proteogenomics expands the landscape of therapeutic targets. Cell, 187(16), 4389.

Schäfer TE, et al. (2024) Biomarker screen for efficacy of oncolytic virotherapy in patient-derived pancreatic cancer cultures. EBioMedicine, 105, 105219.

Wang W, et al. (2024) BUB1 Promotes Gemcitabine Resistance in Pancreatic Cancer Cells by Inhibiting Ferroptosis. Cancers, 16(8).

Wang K, et al. (2024) Multi-Algorithm Analysis Reveals Pyroptosis-Linked Genes as Pancreatic Cancer Biomarkers. Cancers, 16(2).

Girolimetti G, et al. (2024) Dysregulation of a Subset of Circulating and Vesicle-Associated miRNA in Pancreatic Cancer. Non-coding RNA, 10(3).

Tao J, et al. (2024) CALB2 drives pancreatic cancer metastasis through inflammatory reprogramming of the tumor microenvironment. Journal of experimental & clinical cancer research : CR, 43(1), 277.

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.