Resource Summary Report

Generated by RRID on Aug 28, 2026

MIA PaCa-2

RRID:CVCL_0428
Type: Cell Line

Proper Citation

RRID:CVCL_0428

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0428

Proper Citation: RRID:CVCL_0428

Description: Cell line MIA PaCa-2 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Pancreatic undifferentiated carcinoma

Defining Citation: PMID:832918, PMID:1630814, PMID:1764370, PMID:7809022, PMID:7961102, PMID:8026879, PMID:8194712, PMID:9290701, PMID:10027410, PMID:11115575, PMID:11169957, PMID:11169959, PMID:11787853, PMID:12068308, PMID:12692724, PMID:14695172, PMID:15770730, PMID:16912165, PMID:17254797, PMID:18298655, PMID:18380791, PMID:18575732, PMID:19077451, PMID:19188929, PMID:19904223, PMID:20037478, PMID:20164919, PMID:20215515, PMID:20418756, PMID:21607521, PMID:22460905, PMID:22585861, PMID:23386380, PMID:25167228, PMID:25485619, PMID:25485960, PMID:25877200, PMID:25984343, PMID:26216984, PMID:26884312, PMID:27067801, PMID:27259358, PMID:27397505, PMID:28196595, PMID:29444439, PMID:30894373, PMID:30971826, PMID:31037374, PMID:31068700, PMID:31978347, PMID:32782605, PMID:34207840, PMID:35839778

Comments: Caution: Additional TP53 mutation in c.818G>A indicated incorrectly in PubMed=1630814., Population: Caucasian., Part of: NCI RAS program mutant KRAS cell line panel., 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

Organism: Homo sapiens (Human)

Name: MIA PaCa-2

Synonyms: MIA-PaCa-2, MIA-PACA-2, MIA-Pa-Ca-2, MIA Paca2, MIA PaCa2, MiaPaCa-2, MIAPACA-2, MiaPaca.2, MiaPaCa2, Miapaca2, MIAPaCa2, MIAPACA2, Mia PACA 2, MIAPaCa-2, PaCa2, MiaPaCa, MIAMI Pancreatic Carcinoma-2

Cross References: BTO:BTO_0002137, CLO:CLO_0007726, CLO:CLO_0050101, EFO:EFO_0002236, MCCL:MCC:0000325, CLDB:cl3480, CLDB:cl3481, CLDB:cl3482, AddexBio:C0018002/59, ArrayExpress:E-MTAB-38, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2706, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3263, ArrayExpress:E-MTAB-3610, ATCC:CRL-1420, ATCC:CRM-CRL-1420, BCRC:60139, BCRJ:0174, BioGRID_ORCS_Cell_line:544, BioSample:SAMN01821579, BioSample:SAMN01821700, BioSample:SAMN03472131, BioSample:SAMN10988205, cancercelllines:CVCL_0428, CCRID:3101HUMSCSP568, CCRID:4201HUM-CCTCC00255, CCTCC:GDC0255, Cell_Model_Passport:SIDM00505, CGH-DB:321-1, CGH-DB:9374-4, ChEMBL-Cells:CHEMBL3308500, ChEMBL-Targets:CHEMBL614725, CLS:300438, Cosmic:707249, Cosmic:710861, Cosmic:719677, Cosmic:724644, Cosmic:724870, Cosmic:730532, Cosmic:808172, Cosmic:868243, Cosmic:872996, Cosmic:913313, Cosmic:918056, Cosmic:922249, Cosmic:923170, Cosmic:932520, Cosmic:947399, Cosmic:948373, Cosmic:948731, Cosmic:949234, Cosmic:968107, Cosmic:1006368, Cosmic:1066202, Cosmic:1108337, Cosmic:1198208, Cosmic:1299302, Cosmic:1320461, Cosmic:1366278, Cosmic:1477431, Cosmic:1534318, Cosmic:1571779, Cosmic:1609545, Cosmic:1644314, Cosmic:1995507, Cosmic:2434084, Cosmic:2664042, Cosmic:2668287, Cosmic:2755950, Cosmic-CLP:724870, DepMap:ACH-000601, DSMZ:ACC-733, DSMZCellDive:ACC-733, ECACC:85062806, EGA:EGAS00001000610, EGA:EGAS00001000978, FANTOM5_SSTAR:10488-107B2, FCS-free:216-2-440-1-3-6, GDSC:724870, GEO:GSM206526, GEO:GSM244425, GEO:GSM621895, GEO:GSM784703, GEO:GSM887320, GEO:GSM888396, GEO:GSM1024404, GEO:GSM1374677, GEO:GSM1374678, GEO:GSM1374679, GEO:GSM1435696, GEO:GSM1435697, GEO:GSM1435698, GEO:GSM1588612, GEO:GSM1588624, GEO:GSM1670109, GEO:GSM5481591, GEO:GSM5481592, GEO:GSM5481593, GEO:GSM5481594, IARC_TP53:316, IGRhCellID:MIAPaCa, IZSLER:BS TCL 42, JCRB:JCRB0070, KCLB:21420, LiGeA:CCLE_231, LINCS_LDP:LCL-1738, Lonza:751, MetaboLights:MTBLS812, NCBI_Iran:C459, PharmacoDB:MIAPaCa2_931_2019, PRIDE:PXD001260, PRIDE:PXD003198, PRIDE:PXD030304, Progenetix:CVCL_0428, PubChem_Cell_line:CVCL_0428, RCB:RCB2094, SKY/M-FISH/CGH:1996, TKG:TKG 0227, Wikidata:Q54905679

ID: CVCL_0428

Record Creation Time: 20220427T220808+0000

Record Last Update: 20260815T234623+0000

Ratings and Alerts

No rating or validation information has been found for MIA PaCa-2.

No alerts have been found for MIA PaCa-2.

Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 1066 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Zhang Y, et al. (2026) SERPINA3 mediates liver cancer cells escape from chemotherapy-induced neutrophil extracellular trap killing. Cell reports, 45(2), 116956.

Safari M, et al. (2026) Combined HDAC and eIF4A inhibition: A novel epigenetic therapy for pancreatic ductal adenocarcinoma. Drug resistance updates : reviews and commentaries in antimicrobial and anticancer chemotherapy, 84, 101312.

Sekiguchi N, et al. (2026)

Circ72309 modulates gemcitabine metabolism and gemcitabine sensitivity in pancreatic cancer: Serum Circ72309 levels as a potential predictor of treatment response

. International journal of oncology, 68(3).
Li G, et al. (2026) Mitochondrial VHL rewires cell metabolism in hypoxia. Cell metabolism, 38(1), 174.

Treekitkarnmongkol W, et al. (2026) RASH3D19 mediates RAS activation through a positive feedback loop in KRAS-mutant cancer. Nature cell biology, 28(1), 197.

Drouillard D, et al. (2026) Mutant KRAS promotes NF-?B driven CCL20 chemokine expression in pancreatic ductal adenocarcinoma. bioRxiv : the preprint server for biology.

Garczyk M, et al. (2026) Targeting PI3K? suppresses pancreatic cancer by dual disruption of fibrosis and immune evasion. Cell reports, 45(4), 117188.

Zhang Z, et al. (2026) A convergent uPAR-positive tumor ecosystem creates broad vulnerability to CAR T cell therapy. Cell, 189(10), 2898.

Eissa IR, et al. (2026) The CD49b (ITGA2) collagen receptor excludes CD8+ T cell infiltration in pancreatic ductal adenocarcinoma. iScience, 29(7), 116500.

Jungwirth J, et al. (2026) The Host Cell Factor Phosphatase-2A Subunit PR130 Restricts Replication of Herpes Simplex Virus Type-1. Advanced science (Weinheim, Baden-Wurttemberg, Germany), e23697.

Álvaro BS, et al. (2026) Synthesis of Benzopyrans and Quinolines with Nitrogenated Chain and Their Cytotoxicity Against Human Cancer Cell Lines. ChemMedChem, 21(2), e202500904.

Frädrich J, et al. (2026) Multimodal profiling of pancreatic cancer reveals a TIMP-1-dominated secretory profile determining pro-tumor immunoinstruction in human cancers. Cell reports. Medicine, 7(1), 102546.

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.

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.

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