Resource Summary Report

Generated by NIF on Sep 22, 2026

PL45

RRID:CVCL_3567
Type: Cell Line

Proper Citation

RRID:CVCL_3567

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_3567

Proper Citation: RRID:CVCL_3567

Description: Cell line PL45 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Pancreatic ductal adenocarcinoma

Defining Citation: PMID:22460905, PMID:22585861, PMID:25167228, PMID:25485619, PMID:25877200, PMID:26216984, PMID:26589293, PMID:27259358, PMID:28196595, PMID:30894373, PMID:31068700, PMID:31978347

Comments: Population: Caucasian., Part of: MD Anderson 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: PL45

Synonyms: PL-45, PL 45

Cross References: CLO:CLO_0008454, EFO:EFO_0006474, ArrayExpress:E-MTAB-2706, ATCC:CRL-2558, BioSample:SAMN03473284, cancercelllines:CVCL_3567, Cell_Model_Passport:SIDM01115, Cosmic:725721, Cosmic:932513, Cosmic:949236, Cosmic:949524, Cosmic:1006372, Cosmic:2046533, Cosmic:2434098, DepMap:ACH-001171, EGA:EGAS00001000610, GEO:GSM206536, GEO:GSM383936, GEO:GSM621890, GEO:GSM887519, GEO:GSM888601, GEO:GSM1024413, IARC_TP53:22817, LINCS_LDP:LCL-1727, PharmacoDB:PL45_1273_2019,

PRIDE:PXD003198, Progenetix:CVCL_3567, Wikidata:Q54947524

ID: CVCL_3567

Record Creation Time: 20220427T221434+0000

Record Last Update: 20260920T005506+0000

Ratings and Alerts

No rating or validation information has been found for PL45.

No alerts have been found for PL45.

Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Li X, et al. (2025) Plakophilin 3 drives acinar cell transformation and promotes cancer initiation and progression in pancreas. Cell reports, 44(11), 116487.

Cenigaonandia-Campillo A, et al. (2024) Vitamin-C-dependent downregulation of the citrate metabolism pathway potentiates pancreatic ductal adenocarcinoma growth arrest. Molecular oncology.

Han X, et al. (2024) Cancer-associated fibroblasts maintain critical pancreatic cancer cell lipid homeostasis in the tumor microenvironment. Cell reports, 43(11), 114972.

Yoon SJ, et al. (2023) Comprehensive Metabolic Tracing Reveals the Origin and Catabolism of Cysteine in Mammalian Tissues and Tumors. Cancer research, 83(9), 1426.

Paul MC, et al. (2023) Non-canonical functions of SNAIL drive context-specific cancer progression. Nature communications, 14(1), 1201.

Joshi S, et al. (2021) Pharmacologically controlling protein-protein interactions through epichaperomes for therapeutic vulnerability in cancer. Communications biology, 4(1), 1333.

Munck JM, et al. (2021) ASTX029, a Novel Dual-mechanism ERK Inhibitor, Modulates Both the Phosphorylation and Catalytic Activity of ERK. Molecular cancer therapeutics, 20(10), 1757.

Salvador-Barbero B, et al. (2020) CDK4/6 Inhibitors Impair Recovery from Cytotoxic Chemotherapy in Pancreatic Adenocarcinoma. Cancer cell, 37(3), 340.

Banh RS, et al. (2020) Neurons Release Serine to Support mRNA Translation in Pancreatic Cancer. Cell, 183(5), 1202.

Yan P, et al. (2020) Molecular Stressors Engender Protein Connectivity Dysfunction through Aberrant N-Glycosylation of a Chaperone. Cell reports, 31(13), 107840.

Yao D, et al. (2000) A novel system A isoform mediating Na+/neutral amino acid cotransport. The Journal of biological chemistry, 275(30), 22790.