Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Mar 29, 2025

SUM159PT

RRID:CVCL_5423
Type: Cell Line

Proper Citation

(RRID:CVCL_5423)

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_5423

Proper Citation: (RRID:CVCL_5423)

Sex: Female

Defining Citation: PMID:10424408, PMID:10604729, PMID:10969801, PMID:11044355, PMID:12800145, PMID:15677628, PMID:16397213, PMID:16541312, PMID:17157791, PMID:19593635, PMID:21778573, PMID:23151021, PMID:23401782, PMID:23601657, PMID:24162158, PMID:24176112, PMID:25485619, PMID:25877200, PMID:25960936, PMID:26589293, PMID:26735014, PMID:28889351, PMID:32416067, PMID:32715085, PMID:34320349, PMID:35042871

Comments: Omics: Transcriptome analysis by RNAseq., Omics: Transcriptome analysis by microarray., Omics: SNP array analysis., Omics: Protein expression by reverse-phase protein arrays., Omics: miRNA expression profiling., Omics: DNA methylation analysis., Omics: Deep exome analysis., Omics: CRISPR phenotypic screen., Omics: Array-based CGH., Part of: JWGray breast cancer cell line panel., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE)., Group: Triple negative breast cancer (TNBC) cell line.

Category: Cancer cell line

Name: SUM159PT

Synonyms: SUM-159-PT, SUM-159PT, SUM 159PT, SUM-159, SUM 159, SUM159, 159 PT, 159PT

Cross References: BTO:BTO_0004928, CLO:CLO_0009918, EFO:EFO_0001241, ArrayExpress:E-MTAB-2706, ArrayExpress:E-MTAB-11134, ArrayExpress:E-TABM-157,

BioGRID_ORCS_Cell_line:1394, BioSample:SAMN03472960, cancercelllines:CVCL_5423, Cell_Model_Passport:SIDM01452, ChEMBL-Cells:CHEMBL4483124, ChEMBL-Targets:CHEMBL4483269, CLS:305116, Cosmic:904389, Cosmic:1046944, Cosmic:1136380, Cosmic:1287924, Cosmic:1289412, Cosmic:1460240, DepMap:ACH-001391, EGA:EGAS00001000610, GEO:GSM75170, GEO:GSM217601, GEO:GSM412074, GEO:GSM412089, GEO:GSM412092, GEO:GSM412105, GEO:GSM412114, GEO:GSM412117, GEO:GSM421890, GEO:GSM474278, GEO:GSM474279, GEO:GSM476481, GEO:GSM476482, GEO:GSM476483, GEO:GSM478318, GEO:GSM478319, GEO:GSM478323, GEO:GSM478324, GEO:GSM847434, GEO:GSM847501, GEO:GSM844707, GEO:GSM844706, GEO:GSM967817, GEO:GSM967822, GEO:GSM1008917, GEO:GSM1053735, GEO:GSM1172993, GEO:GSM1214567, GEO:GSM1401652, GEO:GSM3145737, IARC_TP53:24342, LINCS_HMS:51083, LINCS_LDP:LCL-2068, PharmacoDB:SUM159PT_1510_2019, Progenetix:CVCL_5423, PubChem_Cell_line:CVCL_5423, SLKBase:256, Wikidata:Q54970841

ID: CVCL_5423

Record Creation Time: 20250131T202729+0000

Record Last Update: 20250131T204707+0000

Ratings and Alerts

No rating or validation information has been found for SUM159PT.

No alerts have been found for SUM159PT.

Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 394 mentions in open access literature.

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

Lyu Y, et al. (2024) Hypoxia-inducible factor 1 recruits FACT and RNF20/40 to mediate histone ubiquitination and transcriptional activation of target genes. Cell reports, 43(4), 113972.

Rybinska I, et al. (2024) SAA1-dependent reprogramming of adipocytes by tumor cells is associated with triple negative breast cancer aggressiveness. International journal of cancer.

Ayyappan V, et al. (2024) Context-dependent roles for ubiquitous mitochondrial creatine

kinase CKMT1 in breast cancer progression. Cell reports, 43(4), 114121.

Dheeraj A, et al. (2024) Inhibition of protein translational machinery in triple-negative breast cancer as a promising therapeutic strategy. Cell reports. Medicine, 5(5), 101552.

Pellizzari S, et al. (2024) PLK4 as a potential target to enhance radiosensitivity in triple-negative breast cancer. Radiation oncology (London, England), 19(1), 24.

Coscujuela Tarrero L, et al. (2024) Nanodynamo quantifies subcellular RNA dynamics revealing extensive coupling between steps of the RNA life cycle. Nature communications, 15(1), 7725.

Treekitkarnmongkol W, et al. (2024) Epigenetic activation of SOX11 is associated with recurrence and progression of ductal carcinoma in situ to invasive breast cancer. British journal of cancer, 131(1), 171.

Zheng SM, et al. (2024) MILIP Binding to tRNAs Promotes Protein Synthesis to Drive Triple-Negative Breast Cancer. Cancer research, 84(9), 1460.

Jochems F, et al. (2024) Senolysis by ABT-263 is associated with inherent apoptotic dependence of cancer cells derived from the non-senescent state. Cell death and differentiation.

Yang Y, et al. (2024) SPOP negatively regulates mTORC1 activity by ubiquitinating Sec13. Cellular signalling, 116, 111060.

Bagheri M, et al. (2024) Pharmacological induction of chromatin remodeling drives chemosensitization in triple-negative breast cancer. Cell reports. Medicine, 5(4), 101504.

Treekitkarnmongkol W, et al. (2024) eEF1A2 promotes PTEN-GSK3?-SCF complex-dependent degradation of Aurora kinase A and is inactivated in breast cancer. Science signaling, 17(826), eadh4475.

Yu S, et al. (2023) A Comprehensive Analysis Revealing FBXW9 as a Potential Prognostic and Immunological Biomarker in Breast Cancer. International journal of molecular sciences, 24(6).

Fennell EMJ, et al. (2023) Multi-omics analyses reveal ClpP activators disrupt essential mitochondrial pathways in triple-negative breast cancer. Frontiers in pharmacology, 14, 1136317.

Wall SW, et al. (2023) Noncanonical role of singleminded-2s in mitochondrial respiratory chain formation in breast cancer. Experimental & molecular medicine.

He J, et al. (2023) Reprogramming of iron metabolism confers ferroptosis resistance in ECM-detached cells. iScience, 26(6), 106827.

Okada N, et al. (2023) NFYA promotes malignant behavior of triple-negative breast cancer in mice through the regulation of lipid metabolism. Communications biology, 6(1), 596.

Bouguenina H, et al. (2023) iTAG an optimized IMiD-induced degron for targeted protein degradation in human and murine cells. iScience, 26(7), 107059.

Londero M, et al. (2023) NF-YAl drives EMT in Claudinlow tumours. Cell death & disease, 14(1), 65.

Mahlandt EK, et al. (2023) Cell-based optimization and characterization of genetically encoded location-based biosensors for Cdc42 or Rac activity. Journal of cell science, 136(10).