Resource Summary Report

Generated by dkNET on Sep 6, 2026

SW48

RRID:CVCL_1724
Type: Cell Line

Proper Citation

RRID:CVCL_1724

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_1724

Proper Citation: RRID:CVCL_1724

Description: Cell line SW48 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Female

Disease: Colon adenocarcinoma

Defining Citation: PMID:327080, PMID:793708, PMID:833871, PMID:924690, PMID:1000501, PMID:3518877, PMID:6220172, PMID:6652615, PMID:7104989, PMID:7459858, PMID:7651727, PMID:8197130, PMID:8422623, PMID:8464898, PMID:9000572, PMID:9294210, PMID:9515795, PMID:10612807, PMID:10737795, PMID:11314036, PMID:11526487, PMID:12615714, PMID:16418264, PMID:18258742, PMID:19927377, PMID:20164919, PMID:20215515, PMID:20570890, PMID:20606684, PMID:22460905, PMID:24042735, PMID:24755471, PMID:25485619, PMID:25877200, PMID:25926053, PMID:25944804, PMID:25984343, PMID:26537799, PMID:26589293, PMID:27397505, PMID:28196595, PMID:28683746, PMID:28854368, PMID:29101300, PMID:30894373, PMID:30971826, PMID:31068700, PMID:31978347, PMID:35839778

Comments: Population: Caucasian., From: Scott and White Clinic; Temple; USA., Part of: MD Anderson Cell Lines Project., Part of: EGFR genetic alteration cell panel (ATCC TCP-1027)., 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: SW48

Synonyms: SW-48, SW 48

Cross References: BTO:BTO_0001535, CLO:CLO_0009216, EFO:EFO_0002367, CLDB:cl4971, AddexBio:C0009014/373, ArrayExpress:E-MTAB-38, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2706, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610, ATCC:CCL-231, BCRC:60311, BioGRID_ORCS_Cell_line:362, BioSample:SAMN03470827, BioSample:SAMN03471477, BioSample:SAMN10988325, cancercelllines:CVCL_1724, Cell_Model_Passport:SIDM00837, ChEMBL-Cells:CHEMBL3307292, ChEMBL-Targets:CHEMBL614055, CLS:305235, ColonAtlas:SW48, Cosmic:687544, Cosmic:711258, Cosmic:870450, Cosmic:873705, Cosmic:876645, Cosmic:876707, Cosmic:887225, Cosmic:889527, Cosmic:909751, Cosmic:948122, Cosmic:948855, Cosmic:986000, Cosmic:995399, Cosmic:1043828, Cosmic:1057753, Cosmic:1122330, Cosmic:1132563, Cosmic:1132688, Cosmic:1175846, Cosmic:1184089, Cosmic:1184332, Cosmic:1374624, Cosmic:1466821, Cosmic:1479633, Cosmic:1552177, Cosmic:1571771, Cosmic:1609488, Cosmic:1676725, Cosmic:1708409, Cosmic:1805268, Cosmic:1995653, Cosmic:2036657, Cosmic:2052594, Cosmic:2302017, Cosmic:2389571, Cosmic:2667883, Cosmic:2667978, Cosmic:2668254, Cosmic:2727480, Cosmic:2760064, Cosmic:2787543, Cosmic:2820498, Cosmic-CLP:909751, DepMap:ACH-000958, ECACC:89012702, EGA:EGAS00001000610, EGA:EGAS00001000978, EGA:EGAS00001002554, GDSC:909751, GEO:GSM513924, GEO:GSM514311, GEO:GSM741252, GEO:GSM827355, GEO:GSM844713, GEO:GSM887675, GEO:GSM888767, GEO:GSM1346890, GEO:GSM1374925, GEO:GSM1374926, GEO:GSM1374927, GEO:GSM1448165, GEO:GSM1670507, GEO:GSM2550015, IARC_TP53:4556, IARC_TP53:21768, ICLC:HTL99020, IGRhCellID:SW48, LiGeA:CCLE_034, LINCS_LDP:LCL-1186, Lonza:86, MetaboLights:MTBLS227, NCBI_Iran:C480, PharmacoDB:SW48_1538_2019, PRIDE:PXD005235, PRIDE:PXD005354, PRIDE:PXD005355, PRIDE:PXD030304, Progenetix:CVCL_1724, PubChem_Cell_line:CVCL_1724, SKY/M-FISH/CGH:2838, Ubigene:YC-C126, Wikidata:Q54971115

ID: CVCL_1724

Record Creation Time: 20220427T221615+0000

Record Last Update: 20260905T182522+0000

Ratings and Alerts

No rating or validation information has been found for SW48.

No alerts have been found for SW48.

Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 202 mentions in open access literature.

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

Li L, et al. (2026) Ubiquitination-directed cytosolic DNA degradation governs cGAS-STING-mediated immune response to DNA damage. Cancer cell.

Zhan W, et al. (2026) Cathepsin-D-mediated MHC class I degradation contributes to immune evasion in colorectal cancer. Cell reports. Medicine, 102534.

Gao J, et al. (2026) AURKA-mediated destabilization of SAPS3 drives ferroptosis evasion via 7-dehydrocholesterol biosynthesis in colorectal cancer. Cell death & disease, 17(1).

Liu A, et al. (2026) Soluble Uric Acid Drives CD8+ T-cell Exhaustion by Inducing KSR1-Mediated MAPK Hyperactivation. Cancer research, 86(14), 3459.

Baars B, et al. (2026) RAS Mutation-Specific Responses to Paralog- and State-Selective RAS Inhibitors. Molecular cancer research : MCR, 24(1), 60.

Yue Z, et al. (2026) Subcellular Redistribution of Endomembrane GPR15 Promotes NAD+-Mediated Metabolic Reprogramming and Boosts 5-FU Chemosensitivity in Colorectal Cancer. Cancer research, 86(9), 2253.

Renner F, et al. (2026) Mosperafenib, a Novel Paradox-Breaker BRAF Inhibitor with Potent Preclinical Activity in BRAF-Mutated Colorectal Cancer. Molecular cancer therapeutics, 25(4), 599.

Tao G, et al. (2026) Radiation-induced MYB reduction unleashes TIM-3 expression in NK cells to attenuate antitumor immunity in colorectal cancer. Journal of translational medicine, 24(1).

Zhu G, et al. (2026) Accumulated sotorasib-bound KRASG12C reactivates the MAPK pathway and drives sotorasib resistance via the DHX9-RAC1-PAK1 axis. Cell reports, 45(5), 117338.

Han Y, et al. (2025) Identifying an optimal perturbation to induce a desired cell state by generative deep learning. Cell systems, 101405.

Santiappillai NT, et al. (2025) Pathway metabolite ratios reveal distinctive glutamine metabolism in a subset of proliferating cells. Molecular systems biology, 21(8), 983.

Alam Z, et al. (2025) Fosl1 is a transcriptional effector of BRAF V600E-driven intestinal tumorigenesis. iScience, 28(11), 113875.

Chen MY, et al. (2025) BAG2 releases SAMD4B upon sensing of arginine deficiency to promote tumor cell survival. Molecular cell, 85(13), 2581.

Zhang C, et al. (2025) Targeting WEE1 in ARID1A/TP53 Concurrent Mutant Colorectal Cancer by Exploiting R-Loop Accumulation and DNA Repair Deficiencies. Advanced science (Weinheim, Baden-Wurttemberg, Germany), e12074.

Feng Z, et al. (2025) Nanobody-Directed CEA-Targeting CAR T Cells Eliminate Gastrointestinal Cancer Xenografts. Cancer immunology research, 13(8), 1160.

Baglamis S, et al. (2025) Clonal dispersal is associated with tumor heterogeneity and poor prognosis in colorectal cancer. iScience, 28(5), 112403.

Castro J, et al. (2025) A Potent, Selective, Small-Molecule Inhibitor of DHX9 Abrogates Proliferation of Microsatellite Instable Cancers with Deficient Mismatch Repair. Cancer research, 85(4), 758.

Yokoi R, et al. (2025) Single-molecule imaging quantifies oncogenic KRAS dynamics for enhanced accuracy of therapeutic efficacy assessment. iScience, 28(9), 113374.

Chau TL, et al. (2025) Purinergic ecto-enzyme CD73 is a context-dependent tumor suppressor in colorectal cancer. The Journal of biological chemistry, 301(12), 110864.

Bruno G, et al. (2024) TRAP1 modulates mitochondrial biogenesis via PGC-1??/TFAM signalling pathway in colorectal cancer cells. Journal of molecular medicine (Berlin, Germany), 102(10), 1285.