

Resource Summary Report

Generated by [NIF](#) on Sep 17, 2026

SW480

RRID:CVCL_0546

Type: Cell Line

Proper Citation

RRID:CVCL_0546

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0546

Proper Citation: RRID:CVCL_0546

Description: Cell line SW480 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Colon adenocarcinoma

Defining Citation: [PMID:286328](#), [PMID:288927](#), [PMID:327080](#), [PMID:833871](#), [PMID:924690](#), [PMID:1000501](#), [PMID:1389533](#), [PMID:1458472](#), [PMID:1778766](#), [PMID:3349466](#), [PMID:3518877](#), [PMID:6582512](#), [PMID:7104989](#), [PMID:7459858](#), [PMID:7651727](#), [PMID:7824277](#), [PMID:8422623](#), [PMID:8895552](#), [PMID:9000147](#), [PMID:9000572](#), [PMID:9290701](#), [PMID:9294210](#), [PMID:9715273](#), [PMID:10612807](#), [PMID:10674020](#), [PMID:10737795](#), [PMID:10773689](#), [PMID:11113861](#), [PMID:11226274](#), [PMID:11414198](#), [PMID:11416159](#), [PMID:11526487](#), [PMID:11668190](#), [PMID:16418264](#), [PMID:16854228](#), [PMID:19927377](#), [PMID:20215515](#), [PMID:20570890](#), [PMID:20606684](#), [PMID:20831567](#), [PMID:22460905](#), [PMID:23272949](#), [PMID:23932154](#), [PMID:24042735](#), [PMID:24755471](#), [PMID:24840470](#), [PMID:25485619](#), [PMID:25841592](#), [PMID:25877200](#), [PMID:25926053](#), [PMID:25944804](#), [PMID:25984343](#), [PMID:26537799](#), [PMID:26589293](#), [PMID:27987026](#), [PMID:28196595](#), [PMID:28683746](#), [PMID:29101300](#), [PMID:29131639](#), [PMID:30894373](#), [PMID:31059103](#), [PMID:31068700](#), [PMID:31978347](#), [PMID:32172478](#), [PMID:39246444](#)

Comments: Population: Caucasian., From: Scott and White Clinic; Temple; USA., Part of: MD Anderson Cell Lines Project., Part of: KuDOS 95 cell line panel., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE)., Part of: AstraZeneca Colorectal cell line (AZCL) panel.

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: SW480

Synonyms: SW-480, SW 480, SW480E

Cross References: BTO:BTO_0000038, BTO:BTO_0006552, CLO:CLO_0009195, CLO:CLO_0009217, CLO:CLO_0009218, EFO:EFO_0002083, MCCL:MCC:0000447, CLDB:cl4440, CLDB:cl4441, CLDB:cl4966, Abcam:ab271146, AddexBio:C0009001/43, ArrayExpress:E-MTAB-38, ArrayExpress:E-MTAB-2706, ArrayExpress:E-MTAB-2770, ATCC:CCL-228, BCRC:60249, BCRJ:0411, BioSample:SAMN01821602, BioSample:SAMN03481110, BioSample:SAMN05292431, BioSample:SAMN07709984, BioSample:SAMN07709985, BioSample:SAMN07709986, BioSample:SAMN07709987, BioSample:SAMN07709988, BioSample:SAMN07709989, BioSample:SAMN07709990, BioSample:SAMN10987646, cancercellines:CVCL_0546, CCRID:1101HUM-PUMC000166, CCRID:3101HUMSCSP5033, CCRID:3101HUMTCHu172, CCRID:4201HUM-CCTCC00306, CCTCC:GDC0065, CCTCC:GDC0306, Cell_Model_Passport:SIDM00840, ChEMBL-Cells:ChEMBL3307758, ChEMBL-Targets:ChEMBL612544, CLS:300302, ColonAtlas:SW480, Cosmic:709847, Cosmic:711272, Cosmic:716169, Cosmic:720332, Cosmic:875293, Cosmic:876719, Cosmic:887240, Cosmic:889536, Cosmic:902791, Cosmic:905006, Cosmic:913892, Cosmic:948827, Cosmic:983732, Cosmic:985652, Cosmic:990302, Cosmic:995393, Cosmic:1043829, Cosmic:1057764, Cosmic:1066212, Cosmic:1071888, Cosmic:1122332, Cosmic:1132573, Cosmic:1132693, Cosmic:1154645, Cosmic:1176589, Cosmic:1184095, Cosmic:1184328, Cosmic:1187323, Cosmic:1223149, Cosmic:1310935, Cosmic:1332007, Cosmic:1374642, Cosmic:1466822, Cosmic:1479588, Cosmic:1482524, Cosmic:1486130, Cosmic:1524329, Cosmic:1552183, Cosmic:1571768, Cosmic:1609479, Cosmic:1676750, Cosmic:1708398, Cosmic:1803951, Cosmic:2036653, Cosmic:2145577, Cosmic:2156941, Cosmic:2267318, Cosmic:2301547, Cosmic:2302018, Cosmic:2433752, Cosmic:2646770, Cosmic:2651869, Cosmic:2664054, Cosmic:2668252, Cosmic:2727482, Cosmic:2760071, Cosmic:2787551, Cosmic:2800590, Cosmic:2823492, DepMap:ACH-000842, DSMZ:ACC-313, DSMZCellDive:ACC-313, ECACC:87092801, EGA:EGAS00001000610, ENCODE:ENCBS211HGL, ENCODE:ENCBS421AQW, FCS-free:180-2-342-3-16-3, GEO:GSM206552, GEO:GSM274771, GEO:GSM274772, GEO:GSM513930, GEO:GSM514312, GEO:GSM741258, GEO:GSM784022, GEO:GSM861349, GEO:GSM861350, GEO:GSM861351, GEO:GSM861352, GEO:GSM887674, GEO:GSM888766, GEO:GSM1006234, GEO:GSM1006235, GEO:GSM1346891, GEO:GSM1374928, GEO:GSM1374929, GEO:GSM1374930, GEO:GSM1448166, GEO:GSM1670508, GEO:GSM1862124, GEO:GSM1862125, GEO:GSM1862126, GEO:GSM2299788, GEO:GSM2550016, GEO:GSM3258549, GEO:GSM3399745, GEO:GSM3399746, GEO:GSM3591767, Hysigen:TCH-C348, IARC_TP53:96, IARC_TP53:23572, ICLC:HTL99017, IGRhCellID:SW480, KCB:KCB 200848YJ, KCLB:10228, LiGeA:CCL_461, Lonza:816, MetaboLights:MTBLS227, NCBI_Iran:C506, PharmacDB:SW480_1539_2019, PRIDE:PXD000089, PRIDE:PXD000230, PRIDE:PXD001550, PRIDE:PXD002793, PRIDE:PXD003708, PRIDE:PXD005354, PRIDE:PXD005355, PRIDE:PXD006662, PRIDE:PXD019478, PRIDE:PXD019479, Progenetix:CVCL_0546, PubChem_Cell_line:CVCL_0546, RCB:RCB1959, SKY/M-FISH/CGH:2839, SKY/M-FISH/CGH:3982, TKG:TKG 0505, TOKU-E:3233, Ubigen:YC-C057, Wikidata:Q28472974

ID: CVCL_0546

Record Creation Time: 20220427T221615+0000

Record Last Update: 20260913T010150+0000

Ratings and Alerts

No rating or validation information has been found for SW480.

Warning: Discontinued: RCB; RCB1959

Population: Caucasian., From: Scott and White Clinic; Temple; USA., Part of: MD Anderson Cell Lines Project., Part of: KuDOS 95 cell line panel., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE)., Part of: AstraZeneca Colorectal cell line (AZCL) panel. **Warning:** Discontinued: TKG; TKG 0505

Population: Caucasian., From: Scott and White Clinic; Temple; USA., Part of: MD Anderson Cell Lines Project., Part of: KuDOS 95 cell line panel., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE)., Part of: AstraZeneca Colorectal cell line (AZCL) panel.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 4084 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Liang X, et al. (2026) Colorectal cancer-derived osteopontin rewires macrophages into a pro-metastatic M2 state via the PI3K/AKT/CSF1-CSF1R axis. Cell death discovery, 12(1), 92.

Wang B, et al. (2026) MYLK4 promotes colorectal cancer progression by regulating lipid metabolism reprogramming via targeting ferroptosis. Neoplasia (New York, N.Y.), 73, 101270.

Banerjee M, et al. (2026) FASN Inhibition Enhances the Efficacy of Chemotherapy in Colorectal Cancer by Inhibiting the DNA Damage Response. Cancer research, 86(10), 2522.

Shi J, et al. (2026) AKT3-Driven Epithelial-Mesenchymal Plasticity Governs Ovarian Metastasis in Colorectal Cancer via Tumor Microenvironment Remodeling. Cancer research, 86(10), 2537.

Hollek V, et al. (2026) Pooled single-cell screen in colorectal cancer defines transcriptional modules linked to oncogenes. Molecular systems biology, 22(3), 435.

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.

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

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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.

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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.

Radloff HS, et al. (2026) A single-cell derived spheroid approach to dissect intratumoural heterogeneity in colorectal cancer: cell lines show changes in proteomes and therapeutic response to 5-FU. *Journal of cancer research and clinical oncology*, 152(1), 43.

Chen B, et al. (2026) BRD4-mediated ER membrane contact creates functionally distinct mitochondrial subtypes. *Molecular cell*, 86(5), 917.

Günaydın S, et al. (2026) Unveiling the Anticancer Potential of *Verbascum aydogdui*: Isolation, Characterization, and In Vitro Studies. *Chemistry & biodiversity*, 23(1), e03376.

Zhang H, et al. (2026) Uncovering spatially resolved functional genomics with CRISPR screen sequencing. *Cell*, 189(15), 4594.

Tan B, et al. (2026) [Ethanol promotes oxaliplatin resistance in colorectal cancer by activating the TGF β /Smad/P21 signaling axis]. *Nan fang yi ke da xue xue bao = Journal of Southern Medical University*, 46(5), 1066.

Jia L, et al. (2026) Cassane-Type Diterpenoids From the Seeds of *Caesalpinia pulcherrima* and Their Cytotoxic Activities. *Chemistry & biodiversity*, 23(6), e71395.

Lao Y, et al. (2026) Machine learning algorithms develop a tumor-educated platelets-related gene signature to predict colorectal cancer prognosis and therapy response. *iScience*, 29(7), 116229.

Feng CJ, et al. (2026) Two New Citrinin Derivatives From the Marine Sponge-Derived Fungus *Aspergillus* sp. S4I4-4. *Chemistry & biodiversity*, 23(6), e71442.

Martinez-Bernabe T, et al. (2026) Hotspot mutant p53-R273H enhances mitochondrial biogenesis and cell migration in primary colorectal cancer in response to oxaliplatin. *Biochimica et biophysica acta. Molecular cell research*, 1873(1), 120073.