

Resource Summary Report

Generated by [RRID](#) on Aug 3, 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

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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 4033 mentions in open access literature.

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

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

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.

Zhang R, et al. (2026) Targeting a Glutamic Acid in PDE? with Fluoromethyl-Aryl Electrophiles Impairs K-Ras Signaling. Journal of medicinal chemistry.

Jiang M, et al. (2026) Dual-faced PUMA in CRC: A cytoplasmic autophagy repressor and mitochondrial mitophagy promoter. Cellular signalling, 140, 112363.

Neve B, et al. (2026) Long non-coding RNA UCA1 modulates SMARCA2-containing SWI/SNF chromatin remodeling complexes in human colorectal cancer. iScience, 29(1), 114283.

Huang M, et al. (2026) KRT81 promotes metastasis of colorectal cancer by acting as a protein scaffold for ezrin. Oncogene, 45(3), 459.

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

Polidori I, et al. (2026) Alkaline phosphatase-triggered charge converting lipid nanoparticles: An innovative approach for oral nucleic acid delivery. *International journal of pharmaceutics*, 690, 126554.

Shen P, et al. (2025) Yi Gong San inhibits tumor immune escape by sensitizing colorectal cancer stem cells via the NF- κ B pathway. *Hereditas*, 162(1), 64.

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Wang J, et al. (2025) Integrative proteomic profiling of tumor and plasma extracellular vesicles identifies a diagnostic biomarker panel for colorectal cancer. *Cell reports. Medicine*, 6(5), 102090.

Lee S, et al. (2025) Combining Multiplexed CRISPR/Cas9-Nickase and PARP Inhibitors Efficiently and Precisely Targets Cancer Cells. *Cancer research*, 85(15), 2890.

Evans AE, et al. (2025) The XPO1 Inhibitor Eltanexor Modulates the Wnt/ β -Catenin Signaling Pathway to Reduce Colorectal Cancer Tumorigenesis. *Cancer research communications*, 5(7), 1140.

Sun Q, et al. (2025) Systematic screening for functional exon-skipping isoforms using the CRISPR-RfxCas13d system. *Cell systems*, 16(8), 101351.

Ning G, et al. (2025) BCAS2 promotes primitive hematopoiesis by sequestering β -catenin within the nucleus. *eLife*, 13.

Zeng Q, et al. (2025) ORMDL3 restrains type I interferon signaling and anti-tumor immunity by promoting RIG-I degradation. *eLife*, 13.

Deng S, et al. (2025) Palmitic Acid Accumulation Activates Fibroblasts and Promotes Matrix Stiffness in Colorectal Cancer. *Cancer research*, 85(10), 1784.

Li J, et al. (2025) ADAM17 promotes colorectal cancer migration and invasion by regulating the TGF- β /Smad signaling pathway. *Tissue & cell*, 93, 102648.