

Resource Summary Report

Generated by [NIF](#) on Sep 10, 2026

SW403

RRID:CVCL_0545

Type: Cell Line

Proper Citation

RRID:CVCL_0545

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0545

Proper Citation: RRID:CVCL_0545

Description: Cell line SW403 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Female

Disease: Colon adenocarcinoma

Defining Citation: [PMID:286328](#), [PMID:327080](#), [PMID:924690](#), [PMID:1000501](#), [PMID:3518877](#), [PMID:6220172](#), [PMID:6582512](#), [PMID:7104989](#), [PMID:7972006](#), [PMID:8464898](#), [PMID:9294210](#), [PMID:10737795](#), [PMID:11226274](#), [PMID:11668190](#), [PMID:12068308](#), [PMID:16418264](#), [PMID:18258742](#), [PMID:20215515](#), [PMID:20570890](#), [PMID:20606684](#), [PMID:22460905](#), [PMID:23272949](#), [PMID:23932154](#), [PMID:24755471](#), [PMID:25485619](#), [PMID:25877200](#), [PMID:25926053](#), [PMID:25944804](#), [PMID:26589293](#), [PMID:28179481](#), [PMID:28683746](#), [PMID:29101300](#), [PMID:30894373](#), [PMID:31068700](#), [PMID:31978347](#)

Comments: Population: Caucasian., From: Scott and White Clinic; Temple; USA., Part of: NCI RAS program mutant KRAS cell line panel., Part of: KuDOS 95 cell line panel., Part of: COSMIC cell lines project., 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: SW403

Synonyms: SW-403, SW 403

Cross References: BTO:BTO_0000033, CLO:CLO_0009193, CLO:CLO_0009214, CLO:CLO_0009215, EFO:EFO_0002366, MCCL:MCC:0000446, CLDB:cl4432, ArrayExpress:E-MTAB-38, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2706, ArrayExpress:E-MTAB-2770, ATCC:CCL-230, BCRC:60258, BioGRID_ORCS_Cell_line:364, BioSample:SAMN01821601, BioSample:SAMN01821667, BioSample:SAMN03473184, BioSample:SAMN10988328, cancercellines:CVCL_0545, Cell_Model_Passport:SIDM00836, CLS:300350, ColonAtlas:SW403, Cosmic:724848, Cosmic:738937, Cosmic:876718, Cosmic:910908, Cosmic:934566, Cosmic:948128, Cosmic:948831, Cosmic:983731, Cosmic:986019, Cosmic:995394, Cosmic:1071893, Cosmic:1176594, Cosmic:1184097, Cosmic:1187322, Cosmic:1310938, Cosmic:1312315, Cosmic:1479587, Cosmic:1609502, Cosmic:1676749, Cosmic:1708408, Cosmic:1805267, Cosmic:2302016, Cosmic:2647530, Cosmic:2668258, Cosmic:2760091, Cosmic:2800583, Cosmic:2811048, Cosmic-CLP:910908, DepMap:ACH-000820, DSMZ:ACC-294, DSMZCellDive:ACC-294, ECACC:87071008, EGA:EGAS00001000610, GDSC:910908, GEO:GSM206551, GEO:GSM274724, GEO:GSM513923, GEO:GSM514310, GEO:GSM741263, GEO:GSM887673, GEO:GSM888765, GEO:GSM1006231, GEO:GSM1006232, GEO:GSM1006233, GEO:GSM1346889, GEO:GSM1374923, GEO:GSM1374924, GEO:GSM1448194, GEO:GSM2550014, IARC_TP53:21752, IGRhCellID:SW403, KCLB:10230, LiGeA:CCLE_932, LINCS_LDP:LCL-1195, PharmacDB:SW403_1537_2019, PRIDE:PXD005354, PRIDE:PXD005355, Progenetix:CVCL_0545, Wikidata:Q54971109

ID: CVCL_0545

Record Creation Time: 20220427T221615+0000

Record Last Update: 20260905T182522+0000

Ratings and Alerts

No rating or validation information has been found for SW403.

No alerts have been found for SW403.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Choi PH, et al. (2026) Distinct ERK and PI3K dependencies mediate a heterogeneous response to RAS(ON) inhibition in KRAS-mutant colorectal cancer. Cell reports, 45(7), 117559.

Kamgar M, et al. (2026) Mutant and Wild-Type RAS Cross-talk and Stoichiometric Deficiencies Are Determinants of Sensitivity to Targeted Therapies in KRASG12R Pancreatic Ductal Adenocarcinoma. *Cancer research*, 86(8), 2042.

Itan M, et al. (2024) Eosinophils exhibit a unique transcriptional signature and increased sensitivity to IL-3-induced activation in response to colorectal cancer cells. *Journal of leukocyte biology*, 116(2), 424.

Jacob J, et al. (2024) Antibody-Drug Conjugates Targeting the EGFR Ligand Epiregulin Elicit Robust Anti-Tumor Activity in Colorectal Cancer. *bioRxiv : the preprint server for biology*.

Terzo E, et al. (2023) A Novel Class of Ribosome Modulating Agents Exploits Cancer Ribosome Heterogeneity to Selectively Target the CMS2 Subtype of Colorectal Cancer. *Cancer research communications*, 3(6), 969.

Andlovic B, et al. (2023) IFN γ primes cancer cells for Fusicoccin-induced cell death via 14-3-3 PPI stabilization. *Cell chemical biology*, 30(6), 573.

Tang C, et al. (2021) Hypomorph mutation-directed small-molecule protein-protein interaction inducers to restore mutant SMAD4-suppressed TGF- β signaling. *Cell chemical biology*, 28(5), 636.

Vitiello PP, et al. (2021) Vulnerability to low-dose combination of irinotecan and niraparib in ATM-mutated colorectal cancer. *Journal of experimental & clinical cancer research : CR*, 40(1), 15.

Morral C, et al. (2020) Zonation of Ribosomal DNA Transcription Defines a Stem Cell Hierarchy in Colorectal Cancer. *Cell stem cell*, 26(6), 845.