

Resource Summary Report

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SW1353

RRID:CVCL_0543

Type: Cell Line

Proper Citation

RRID:CVCL_0543

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0543

Proper Citation: RRID:CVCL_0543

Description: Cell line SW1353 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Female

Disease: Primary central chondrosarcoma

Defining Citation: [PMID:3518877](#), [PMID:15950496](#), [PMID:19787792](#), [PMID:20215515](#), [PMID:22057234](#), [PMID:22460905](#), [PMID:26351324](#), [PMID:26589293](#), [PMID:27231123](#), [PMID:28196595](#), [PMID:29853780](#), [PMID:30894373](#), [PMID:31068700](#), [PMID:31300557](#)

Comments: Karyotypic information: Hyperdiploid, 47,XX,+7 (ATCC=HTB-94)., Population: Caucasian., From: Scott and White Clinic; Temple; USA., Part of: MD Anderson 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: SW1353

Synonyms: SW-1353, SW 1353

Cross References: BTO:BTO_0002003, CLO:CLO_0009186, CLO:CLO_0009210, EFO:EFO_0002360, MCCL:MCC:0000443, CLDB:cl4957, ArrayExpress:E-MTAB-38, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-7466, ATCC:HTB-94, BCRC:60548, BCRJ:0382, BioSample:SAMN03472765, BioSample:SAMN10988195, cancercellines:CVCL_0543, CCRID:3101HUMTCHu128, Cell_Model_Passport:SIDM01766, ChEMBL-Cells:ChEMBL3307462, ChEMBL-

Targets:CHEMBL614944, CLS:300440, Cosmic:923378, Cosmic:1602475, Cosmic:1992321, DepMap:ACH-000418, FANTOM5_SSTAR:10700-109G7, GEO:GSM887666, GEO:GSM888758, GEO:GSM1670499, GEO:GSM1676319, GEO:GSM1701652, IARC_TP53:27036, ICLC:HTL99008, IGRhCellID:SW1353, IZSLER:BS TCL 213, LiGeA:CCLE_285, Lonza:85, NCBI_Iran:C571, Pharmacodb:SW1353_1525_2019, PRIDE:PXD012985, PRIDE:PXD024953, Progenetix:CVCL_0543, PubChem_Cell_line:CVCL_0543, TOKU-E:3213, Ubigen:YC-C105, Wikidata:Q54971078

ID: CVCL_0543

Record Creation Time: 20220427T221614+0000

Record Last Update: 20260815T235924+0000

Ratings and Alerts

No rating or validation information has been found for SW1353.

No alerts have been found for SW1353.

Data and Source Information

Source: [CelloSaurus](#)

Usage and Citation Metrics

We found 255 mentions in open access literature.

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

Mu Y, et al. (2026) Mitochondrial dysfunction activates ADAMTS-5 expression via mt-dsRNA-PKR-Spi-1 axis in osteoarthritic chondrocytes. iScience, 29(6), 115980.

Nelson BE, et al. (2025) Phase Ib Study of Pembrolizumab in Combination with Intratumoral Injection of Clostridium novyi-NT in Patients with Advanced Solid Tumors. Clinical cancer research : an official journal of the American Association for Cancer Research, 31(18), 3864.

Lenté M, et al. (2025) Exploring adenosine analogs for chondrosarcoma therapy: In vitro and in vivo insights. Molecular therapy. Nucleic acids, 36(3), 102642.

Tian W, et al. (2025) Genetic transcriptional regulation profiling of cartilage reveals pathogenesis of osteoarthritis. EBioMedicine, 117, 105821.

Dai C, et al. (2025) Pharmacologic inhibition of CSF-1R suppresses intrinsic tumor cell growth in osteosarcoma with CSF-1R overexpression. Journal of translational medicine, 23(1), 900.

Nakagawa M, et al. (2025) Protein Phosphatase 1 Regulatory Subunit 3C integrates cholesterol metabolism and isocitrate dehydrogenase in chondrocytes and neoplasia. *Proceedings of the National Academy of Sciences of the United States of America*, 122(16), e2501519122.

Zhao T, et al. (2025) Derepressing nuclear pyruvate dehydrogenase induces therapeutic cancer cell reprogramming. *Cell metabolism*, 37(8), 1667.

Noronha KJ, et al. (2024) NAPRT Silencing in FH-Deficient Renal Cell Carcinoma Confers Therapeutic Vulnerabilities via NAD⁺ Depletion. *Molecular cancer research : MCR*, 22(10), 973.

Suh J, et al. (2024) Decoupling NAD⁺ metabolic dependency in chondrosarcoma by targeting the SIRT1-HIF-2 α axis. *Cell reports. Medicine*, 5(1), 101342.

M?sr BA, et al. (2024) Novel diarylated tacrine derivatives: Synthesis, characterization, anticancer, antiepileptic, antibacterial, and antifungal activities. *Journal of biochemical and molecular toxicology*, 38(4), e23706.

Green D, et al. (2023) YBX1-interacting small RNAs and RUNX2 can be blocked in primary bone cancer using CADD522. *Journal of bone oncology*, 39, 100474.

Huang H, et al. (2023) LncRNA WDR11-AS1 Promotes Extracellular Matrix Synthesis in Osteoarthritis by Directly Interacting with RNA-Binding Protein PABPC1 to Stabilize SOX9 Expression. *International journal of molecular sciences*, 24(1).

Chen JC, et al. (2023) MicroRNA-631 Resensitizes Doxorubicin-Resistant Chondrosarcoma Cells by Targeting Apelin. *International journal of molecular sciences*, 24(1).

Wang W, et al. (2023) Trimanganese Tetroxide Nanozyme protects Cartilage against Degeneration by Reducing Oxidative Stress in Osteoarthritis. *Advanced science (Weinheim, Baden-Wurtemberg, Germany)*, 10(17), e2205859.

Zeng J, et al. (2023) Bone mesenchymal stem cell-derived exosomes involved co-delivery and synergism effect with icariin via mussel-inspired multifunctional hydrogel for cartilage protection. *Asian journal of pharmaceutical sciences*, 18(3), 100799.

Tamburaci S, et al. (2023) Fabrication of Helix aspersa Extract Loaded Gradient Scaffold with an Integrated Architecture for Osteochondral Tissue Regeneration: Morphology, Structure, and In Vitro Bioactivity. *ACS applied bio materials*, 6(4), 1504.

Lee YM, et al. (2023) Protective Effects of Glycine soja Leaf and Stem Extract against Chondrocyte Inflammation and Osteoarthritis. *International journal of molecular sciences*, 24(5).

Staebler S, et al. (2023) MIA/CD-RAP Regulates MMP13 and Is a Potential New Disease-Modifying Target for Osteoarthritis Therapy. *Cells*, 12(2).

Kim S, et al. (2023) Analysis of mitochondrial double-stranded RNAs in human cells. *STAR protocols*, 4(1), 102007.

Yang J, et al. (2022) Interleukin-35 inhibits angiogenesis through T helper17/ Interleukin-17 related signaling pathways in IL-1 β -stimulated SW1353 cells. *Molecular immunology*, 147, 71.