Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 5, 2025

SaOS-2

RRID:CVCL_0548
Type: Cell Line

Proper Citation

(RRID:CVCL_0548)

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0548

Proper Citation: (RRID:CVCL_0548)

Sex: Female

Defining Citation: PMID:833871, PMID:2233717, PMID:2823272, PMID:3040234, PMID:3518877, PMID:6935474, PMID:7017212, PMID:8617485, PMID:10763916, PMID:11416159, PMID:12645653, PMID:15150091, PMID:15736406, PMID:15939397, PMID:16888811, PMID:17354236, PMID:17431109, PMID:17981215, PMID:19787792, PMID:20164919, PMID:20215515, PMID:21519327, PMID:22075555, PMID:23144859, PMID:23671654, PMID:24758355, PMID:25031706, PMID:26320182, PMID:26351324, PMID:27397505, PMID:29334376, PMID:30894373, PMID:31068700, PMID:31978347, PMID:35839778

Comments: Omics: Transcriptome analysis by RNAseq., Omics: Transcriptome analysis by microarray., Omics: SNP array analysis., Omics: H3K4me1 ChIP-seq epigenome analysis., Omics: DNA methylation analysis., Omics: Deep quantitative proteome analysis., Omics: Deep exome analysis., Omics: Array-based CGH., Population: Caucasian., From: Memorial Sloan Kettering Cancer Center; New York; USA., Part of: Naval Biosciences Laboratory (NBL) collection (transferred to ATCC in 1982)., Part of: COSMIC cell lines project., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE).

Category: Cancer cell line

Name: SaOS-2

Synonyms: SAOS-2, Saos-2, SAOS 2, Saos 2, Saos2, SaOs2, SAOS2, Sarcoma

OSteogenic-2, SaOS, SAOS

Cross References: BTO:BTO_0000971, CLO:CLO_0008947, CLO:CLO_0050140, EFO:EFO_0022402, MCCL:MCC:0000449, CLDB:cl4250, CLDB:cl4251, CLDB:cl4252, CLDB:cl5281, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610, ATCC:CRL-7939, ATCC:HTB-85, BCRJ:0217, BioSample:SAMN01821594, BioSample:SAMN01821661, BioSample:SAMN03471126, BioSample:SAMN10987923, cancercelllines:CVCL_0548, CancerTools:161931, CCRID:1101HUM-PUMC000025, CCRID:3101HUMSCSP5057, CCRID:3101HUMTCHu114, CCRID:4201HUM-CCTCC00075, CCTCC:GDC0075, Cell_Model_Passport:SIDM01084, ChEMBL-Cells:CHEMBL3307737, ChEMBL-Targets:CHEMBL614894, CLS:300331, Cosmic:687930, Cosmic:755311, Cosmic:897500, Cosmic:909707, Cosmic:931039, Cosmic:931912, Cosmic:1044086, Cosmic:1044269, Cosmic:1070841, Cosmic:1074395, Cosmic:1082492, Cosmic:1529898, Cosmic:1733126, Cosmic:2301582, Cosmic:2816206, Cosmic-CLP:909707, DepMap:ACH-000410, DSMZ:ACC-243, DSMZCellDive:ACC-243, ECACC:89050205, EGA:EGAS00001000978, GDSC:909707, GEO:GSM170249, GEO:GSM185150, GEO:GSM185151, GEO:GSM320830, GEO:GSM827588, GEO:GSM879222, GEO:GSM1639703, GEO:GSM1639704, GEO:GSM1670401, GEO:GSM1676314, GEO:GSM1701648, GEO:GSM1915012, GEO:GSM1915013, IARC_TP53:21653, ICLC:HTL01001, IZSLER:BS TCL 90, KCB:KCB 200550YJ, KCLB:30085, KCLB:80023, LiGeA:CCLE_519, LINCS_LDP:LCL-1430, Lonza:747, NCBI_Iran:C453, PharmacoDB:Saos2_1343_2019, PRIDE:PXD016398, PRIDE:PXD017130, PRIDE:PXD021564, PRIDE:PXD025970, PRIDE:PXD030304, Progenetix:CVCL_0548, PubChem_Cell_line:CVCL_0548, RCB:RCB0428, RCB:RCB3688, TKG:TKG 0469, TOKU-E:3085, Ubigene:YC-D017, Wikidata:Q7420876

ID: CVCL_0548

Record Creation Time: 20250131T202519+0000

Record Last Update: 20250131T204424+0000

Ratings and Alerts

No rating or validation information has been found for SaOS-2.

Warning: Discontinued: ATCC; CRL-7939
Omics: Transcriptome analysis by RNAseq., Omics: Transcriptome analysis by microarray., Omics: SNP array analysis., Omics: H3K4me1 ChIP-seq epigenome analysis., Omics: DNA methylation analysis., Omics: Deep quantitative proteome analysis., Omics: Deep exome analysis., Omics: Array-based CGH., Population: Caucasian., From: Memorial Sloan Kettering Cancer Center; New York; USA., Part of: Naval Biosciences Laboratory (NBL) collection (transferred to ATCC in 1982)., Part of: COSMIC cell lines project., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE).
Warning: Discontinued: KCLB; 80023
Omics: Transcriptome analysis by RNAseq., Omics: Transcriptome analysis by microarray., Omics: SNP array analysis., Omics: H3K4me1 ChIP-seq epigenome analysis., Omics: DNA methylation analysis., Omics: Deep quantitative proteome analysis., Omics: Deep exome

analysis., Omics: Array-based CGH., Population: Caucasian., From: Memorial Sloan Kettering Cancer Center; New York; USA., Part of: Naval Biosciences Laboratory (NBL) collection (transferred to ATCC in 1982)., Part of: COSMIC cell lines project., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE).

Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 1010 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Horie M, et al. (2024) Exosomes secreted by ST3GAL5high cancer cells promote peritoneal dissemination by establishing a premetastatic microenvironment. Molecular oncology, 18(1), 21.

Zoltsman G, et al. (2024) A unique chaperoning mechanism in class A JDPs recognizes and stabilizes mutant p53. Molecular cell.

Zhu M, et al. (2024) Targeting TOP2B as a vulnerability in aging and aging-related diseases. Biochimica et biophysica acta. Molecular basis of disease, 1870(3), 167044.

Forte YS, et al. (2024) Unlocking the Secrets of Adipose Tissue: How an Obesity-Associated Secretome Promotes Osteoblast Dedifferentiation via TGF-?1 Signaling, Paving the Path to an Adipogenic Phenotype. Cells, 13(17).

Smith HL, et al. (2024) Developing a 3D bone model of osteosarcoma to investigate cancer mechanisms and evaluate treatments. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 38(24), e70274.

M?s?r 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.

Perkins RS, et al. (2024) WNT5B drives osteosarcoma stemness, chemoresistance and metastasis. Clinical and translational medicine, 14(5), e1670.

Pezzella M, et al. (2024) Tumor-derived G-CSF induces an immunosuppressive microenvironment in an osteosarcoma model, reducing response to CAR.GD2 T-cells. Journal of hematology & oncology, 17(1), 127.

Zhang Y, et al. (2024) Circ_0002669 promotes osteosarcoma tumorigenesis through directly binding to MYCBP and sponging miR-889-3p. Biology direct, 19(1), 25.

Li X, et al. (2024) Homeostatic coordination of cellular phosphate uptake and efflux requires an organelle-based receptor for the inositol pyrophosphate IP8. Cell reports, 43(6), 114316.

Okusa N, et al. (2023) Comparative Study of Ozonated Glycerol and Macrogol Ointment on Bone Matrix Production by Human Osteosarcoma Cell Line Saos-2. Materials (Basel, Switzerland), 16(10).

Moparthi L, et al. (2023) FOX transcription factors are common regulators of Wnt/?-catenin-dependent gene transcription. The Journal of biological chemistry, 299(5), 104667.

Ding X, et al. (2023) Dihydroartemisinin Potentiates VEGFR-TKIs Antitumorigenic Effect on Osteosarcoma by Regulating Loxl2/VEGFA Expression and Lipid Metabolism Pathway. Journal of Cancer, 14(5), 809.

Li F, et al. (2023) Histone demethylase KDM2A is a selective vulnerability of cancers relying on alternative telomere maintenance. Nature communications, 14(1), 1756.

Prezas PR, et al. (2023) Bioactivity Enhancement of Plasma-Sprayed Hydroxyapatite Coatings through Non-Contact Corona Electrical Charging. Nanomaterials (Basel, Switzerland), 13(6).

Hauke L, et al. (2023) Metal-Induced Energy Transfer (MIET) for Live-Cell Imaging with Fluorescent Proteins. ACS nano, 17(9), 8242.

Shi Y, et al. (2023) Preparation of a 3D printable high-performance GelMA hydrogel loading with magnetic cobalt ferrite nanoparticles. Frontiers in bioengineering and biotechnology, 11, 1132192.

Ren B, et al. (2023) GINS2 Promotes Osteosarcoma Tumorigenesis via STAT3/MYC Axis. Journal of oncology, 2023, 8454142.

Umaru B, et al. (2023) Alternative Lengthening of Telomeres in Pediatric High-Grade Glioma and Therapeutic Implications. Cancers, 15(12).

Niu J, et al. (2023) The COPS3-FOXO3 positive feedback loop regulates autophagy to promote cisplatin resistance in osteosarcoma. Autophagy, 19(6), 1693.