Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 10, 2025

MDA-MB-231

RRID:CVCL_0062
Type: Cell Line

Proper Citation

(RRID:CVCL_0062)

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0062

Proper Citation: (RRID:CVCL_0062)

Sex: Female

Defining Citation: PMID:77569, PMID:730202, PMID:833871, PMID:1000504, PMID:1000505, PMID:1000506, PMID:1961733, PMID:3335022, PMID:3518877, PMID:4412247, PMID:6582512, PMID:6935474, PMID:7000337, PMID:7272986, PMID:7459858, PMID:7902062, PMID:8824553, PMID:9670966, PMID:9671407, PMID:9815641, PMID:10700174, PMID:10969801, PMID:11499871, PMID:11687795, PMID:11697798, PMID:12068308, PMID:12353263, PMID:12661003, PMID:12800145, PMID:15153330, PMID:15677628, PMID:15748285, PMID:15767549, PMID:15900046, PMID:16049480, PMID:16142302, PMID:16397213, PMID:16417655, PMID:16541312, PMID:17088437, PMID:17157791, PMID:17334996, PMID:18277095, PMID:18386134, PMID:18516279, PMID:18714363, PMID:19372543, PMID:19582160, PMID:19593635, PMID:20070913, PMID:20164919, PMID:21378333, PMID:21778573, PMID:22068913, PMID:22336246, PMID:22347499, PMID:22384151, PMID:22460905, PMID:22585861, PMID:22628656, PMID:23151021, PMID:23601657, PMID:23856246, PMID:23933261, PMID:24009699, PMID:24094812, PMID:24162158, PMID:24176112, PMID:24279929, PMID:24389870, PMID:24670534, PMID:25485619, PMID:25877200, PMID:25892236, PMID:25960936, PMID:26055192, PMID:26218769, PMID:26589293, PMID:26649326, PMID:27331101, PMID:27377824, PMID:27397505, PMID:27807467, PMID:28196595, PMID:28287265, PMID:28889351, PMID:29273624, PMID:30894373, PMID:30971826, PMID:31068700, PMID:31092827, PMID:31978347, PMID:32782317, PMID:34238275, PMID:34320349, PMID:35042871, PMID:35839778

Comments: Anecdotal: Used in a study utilising the fruit fly's olfactory system to detect cancer cells (PubMed=24389870)., Omics: Transcriptome analysis by RNAseq., Omics: Transcriptome analysis by microarray., Omics: SNP array analysis., Omics: Secretome proteome analysis., Omics: Protein expression by reverse-phase protein arrays., Omics: N-

glycan profiling., Omics: miRNA expression profiling., Omics: Metabolome analysis., Omics: lncRNA expression profiling., Omics: H4K8ac ChIP-seq epigenome analysis., Omics: H3K9me3 ChIP-seq epigenome analysis., Omics: H3K9ac ChIP-seq epigenome analysis., Omics: H3K79me2 ChIP-seq epigenome analysis., Omics: H3K4me3 ChIP-seq epigenome analysis., Omics: H3K4me1 ChIP-seq epigenome analysis., Omics: H3K36me3 ChIP-seq epigenome analysis., Omics: H3K27me3 ChIP-seq epigenome analysis., Omics: H3K27ac ChIP-seq epigenome analysis., Omics: H3K23ac ChIP-seq epigenome analysis., Omics: H2BK120ub ChIP-seq epigenome analysis., Omics: Glycoproteome analysis by proteomics., Omics: Fluorescence phenotype profiling., Omics: Exosome proteome analysis., Omics: DNA methylation analysis., Omics: Deep quantitative proteome analysis., Omics: Deep proteome analysis., Omics: Deep exome analysis., Omics: CRISPR phenotypic screen., Omics: CNV analysis., Omics: Cell surface proteome., Omics: Chromatin accessibility by ATAC-seq., Omics: Array-based CGH., Population: Caucasian., Part of: NCI-60 cancer cell line panel., Part of: MD Anderson Cell Lines Project., Part of: KuDOS 95 cell line panel., Part of: JFCR45 cancer cell line panel., Part of: JFCR39 cancer cell line panel., Part of: ICBP43 breast cancer cell line panel., Part of: JWGray breast cancer cell line panel., Part of: ENCODE project common cell types; tier 3., Part of: COSMIC cell lines project., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE)., Group: Triple negative breast cancer (TNBC) cell line.

Category: Cancer cell line

Name: MDA-MB-231

Synonyms: MDA_MB_231, MDA-MB 231, MDA.MB.231, MDA MB 231, MDA MB231, MDA Mb231, MDA-MB231, MDAMB-231, MDAMB231, MDA-231, MDA-231P, MDA231, MDA231-BRE, MB231, MD Anderson-Metastatic Breast-231

Cross References: BTO:BTO_0000815, CLO:CLO_0007634, CLO:CLO_0037291, EFO:EFO_0001209, MCCL:MCC:0000313, CLDB:cl3402, CLDB:cl3404, CLDB:cl3405, CLDB:cl4945, AddexBio:C0006002/58, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2706, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610, ArrayExpress:E-MTAB-11134, ArrayExpress:E-TABM-157, ArrayExpress:E-TABM-244, ATCC:HTB-26, ATCC:CRM-HTB-26, BCRC:60425, BCRJ:0164, BioGRID_ORCS_Cell_line:554, BioSample:SAMN03472205, BioSample:SAMN05292460, BioSample:SAMN07710033, BioSample:SAMN07710034, BioSample:SAMN07710035, BioSample:SAMN07710036, BioSample:SAMN07710037, BioSample:SAMN07710038, BioSample:SAMN07710039, BioSample:SAMN10987764, cancercelllines:CVCL_0062, CCRID:1101HUM-PUMC000014, CCRID:3101HUMSCSP5043, CCRID:3101HUMTCHu227, CCRID:4201HUM-CCTCC00297, CCRID:5301HUM-KCB07076YJ, CCTCC:GDC0297, Cell_Model_Passport:SIDM00146, ChEMBL-Cells:CHEMBL3307960, ChEMBL-Targets:CHEMBL400, CLS:300275, Cosmic:687494, Cosmic:871146, Cosmic:875878, Cosmic:877450, Cosmic:894087, Cosmic:897423, Cosmic:904377, Cosmic:905960, Cosmic:934536, Cosmic:944294, Cosmic:974235, Cosmic:991324, Cosmic:997929, Cosmic:1010924, Cosmic:1018477, Cosmic:1027053, Cosmic:1044226, Cosmic:1046950, Cosmic:1047693, Cosmic:1071900, Cosmic:1092613, Cosmic:1136369, Cosmic:1152528, Cosmic:1175833, Cosmic:1176602, Cosmic:1176636, Cosmic:1183773, Cosmic:1219444, Cosmic:1287926, Cosmic:1289395,

Cosmic:1305383, Cosmic:1309003, Cosmic:1312370, Cosmic:1434952, Cosmic:1436032, Cosmic:1466805, Cosmic:1477428, Cosmic:1481426, Cosmic:1524347, Cosmic:1571793, Cosmic:1609458, Cosmic:1927242, Cosmic:1945862, Cosmic:1998455, Cosmic:2009512, Cosmic:2036667, Cosmic:2164997, Cosmic:2301528, Cosmic:2318377, Cosmic:2361355, Cosmic:2560256, Cosmic-CLP:905960, DepMap:ACH-000768, DSMZ:ACC-732, DSMZCellDive:ACC-732, ECACC:92020424, EGA:EGAS00001000610, EGA:EGAS00001000978, EGA:EGAS00001002554, FCS-free:253-2-521-2-3-3, GDSC:905960, GEO:GSM812, GEO:GSM2124, GEO:GSM49953, GEO:GSM49954, GEO:GSM50184, GEO:GSM50248, GEO:GSM69194, GEO:GSM155213, GEO:GSM185093, GEO:GSM185094, GEO:GSM274653, GEO:GSM344349, GEO:GSM344399, GEO:GSM350547, GEO:GSM378148, GEO:GSM388213, GEO:GSM421873, GEO:GSM459713, GEO:GSM481304, GEO:GSM587393, GEO:GSM587394, GEO:GSM750781, GEO:GSM799321, GEO:GSM799384, GEO:GSM820814, GEO:GSM820815, GEO:GSM820816, GEO:GSM839034, GEO:GSM847036, GEO:GSM847401, GEO:GSM844594, GEO:GSM844595, GEO:GSM887295, GEO:GSM888370, GEO:GSM967818, GEO:GSM1008905, GEO:GSM1053716, GEO:GSM1153390, GEO:GSM1172979, GEO:GSM1172889, GEO:GSM1181242, GEO:GSM1181365, GEO:GSM1214569, GEO:GSM1238120, GEO:GSM1374651, GEO:GSM1374652, GEO:GSM1401658, GEO:GSM1613823, GEO:GSM1670080, GEO:GSM1833624, GEO:GSM2095710, GEO:GSM2095711, GEO:GSM2124643, GEO:GSM2258848, GEO:GSM2258849, GEO:GSM2258850, GEO:GSM2258851, GEO:GSM2258852, GEO:GSM2258853, GEO:GSM2258854, GEO:GSM2258855, GEO:GSM2258856, GEO:GSM2258857, GEO:GSM2258858, GEO:GSM2258859, GEO:GSM2258860, GEO:GSM2258861, GEO:GSM2258862, GEO:GSM2258863, GEO:GSM2258864, GEO:GSM2258865, GEO:GSM2258932, GEO:GSM2258933, GEO:GSM2258934, GEO:GSM3161720, GEO:GSM3161721, IARC_TP53:6, IBRC:C10684, ICLC:HTL99004, IZSLER:BS TCL 223, KCB:KCB 200776YJ, KCLB:30026, LiGeA:CCLE_752, LINCS_HMS:50058, LINCS_LDP:LCL-1461, Lonza:815, MetaboLights:MTBLS337, MetaboLights:MTBLS387, MetaboLights:MTBLS678, NCBI_Iran:C578, NCI-DTP:MDA-MB-231, PharmacoDB:MDAMB231_900_2019, PRIDE:PXD000239, PRIDE:PXD000397, PRIDE:PXD000691, PRIDE:PXD000914, PRIDE:PXD001553, PRIDE:PXD002192, PRIDE:PXD002649, PRIDE:PXD005292, PRIDE:PXD005942, PRIDE:PXD005946, PRIDE:PXD008222, PRIDE:PXD010634, PRIDE:PXD030304, Progenetix:CVCL_0062, PubChem_Cell_line:CVCL_0062, SKY/M-FISH/CGH:2815, SLKBase:3575, TOKU-E:2394, Ubigene:YC-D005, Wikidata:Q17577870

ID: CVCL_0062

Record Creation Time: 20250131T201333+0000

Record Last Update: 20250131T202933+0000

Ratings and Alerts

No rating or validation information has been found for MDA-MB-231.

Warning: Discontinued: ATCC; CRL-12532

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Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 19532 mentions in open access literature.

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

Wan M, et al. (2025) Lovastatin-mediated pharmacological inhibition of Formin protein DIAPH1 suppresses tumor immune escape and boosts immunotherapy response. International immunopharmacology, 144, 113637.

Ramponi V, et al. (2025) H4K20me3-Mediated Repression of Inflammatory Genes Is a Characteristic and Targetable Vulnerability of Persister Cancer Cells. Cancer research, 85(1), 32.

Champagne J, et al. (2025) Adoptive T cell therapy targeting an inducible and broadly shared product of aberrant mRNA translation. Immunity, 58(1), 247.

Lerévérend C, et al. (2025) Enhanced expression of galectin-9 in triple negative breast

cancer cells following radiotherapy: Implications for targeted therapy. International journal of cancer, 156(1), 229.

Kouvaraki M, et al. (2025) Prognostic and predictive implications of sterile alpha motif and HD domain-containing protein 1 (SAMHD1) expression in breast cancer. International journal of cancer, 156(8), 1621.

Yoshida Y, et al. (2025) Targeting macrophage circadian rhythms with microcurrent stimulation to activate cancer immunity through phagocytic defense. Theranostics, 15(2), 340.

Ryu S, et al. (2024) Pentapeptide PYRAE triggers ER stress-mediated apoptosis of breast cancer cells in mice by targeting RHBDF1-BiP interaction. Acta pharmacologica Sinica, 45(2), 378.

Thapa N, et al. (2024) A p85 isoform switch enhances PI3K activation on endosomes by a MAP4- and PI3P-dependent mechanism. Cell reports, 43(5), 114119.

Sneider A, et al. (2024) Small Extracellular Vesicles Promote Stiffness-mediated Metastasis. Cancer research communications, 4(5), 1240.

Sánchez JC, et al. (2024) NCS-1 protein regulates TRPA1 channel through the PI3K pathway in breast cancer and neuronal cells. Journal of physiology and biochemistry, 80(2), 451.

Ayyappan V, et al. (2024) Context-dependent roles for ubiquitous mitochondrial creatine kinase CKMT1 in breast cancer progression. Cell reports, 43(4), 114121.

He Y, et al. (2024) Identification of a marine-derived sesquiterpenoid, Compound-8, that inhibits tumour necrosis factor-induced cell death by blocking complex II assembly. British journal of pharmacology, 181(15), 2443.

Graham K, et al. (2024) Discovery of YAP1/TAZ pathway inhibitors through phenotypic screening with potent anti-tumor activity via blockade of Rho-GTPase signaling. Cell chemical biology, 31(7), 1247.

Zhu S, et al. (2024) Discovery of a novel hybrid coumarin-hydroxamate conjugate targeting the HDAC1-Sp1-FOSL2 signaling axis for breast cancer therapy. Cell communication and signaling : CCS, 22(1), 361.

Yen HR, et al. (2024) Targeting chondroitin sulfate suppresses macropinocytosis of breast cancer cells by modulating syndecan-1 expression. Molecular oncology, 18(10), 2569.

Sinha S, et al. (2024) Aberrant activation of AXL may drive progression of squamous cell carcinoma in CLL patients: a mechanistic study with clinical implications. British journal of cancer, 131(3), 589.

Abdelrahim M, et al. (2024) Light-mediated intracellular polymerization. Nature protocols.

Leuzzi G, et al. (2024) SMARCAL1 is a dual regulator of innate immune signaling and PD-L1 expression that promotes tumor immune evasion. Cell, 187(4), 861.

Meng Y, et al. (2024) An estrogen-regulated long non-coding RNA NCALD promotes luminal breast cancer proliferation by activating GRHL2. Cancer cell international, 24(1), 49.

Martínez-López A, et al. (2024) POTEE promotes breast cancer cell malignancy by inducing invadopodia formation through the activation of SUMOylated Rac1. Molecular oncology, 18(3), 620.