Resource Summary Report

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

HCT 116

RRID:CVCL_0291
Type: Cell Line

Proper Citation

(RRID:CVCL_0291)

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0291

Proper Citation: (RRID:CVCL_0291)

Sex: Male

Defining Citation: PMID:2041050, PMID:2835152, PMID:3335022, PMID:3955419, PMID:6437669, PMID:7214343, PMID:7761852, PMID:7824277, PMID:7972006, PMID:9000147, PMID:9000572, PMID:9023415, PMID:9178645, PMID:9294210, PMID:9515795, PMID:9715273, PMID:10612807, PMID:10674020, PMID:10700174, PMID:10700188, PMID:10737795, PMID:11226274, PMID:11314036, PMID:11414198, PMID:11416159, PMID:11526487, PMID:11687795, PMID:12068308, PMID:12584437, PMID:12615714, PMID:12671075, PMID:12714694, PMID:15748285, PMID:15900046, PMID:16418264, PMID:16854228, PMID:17088437, PMID:17178751, PMID:17363507, PMID:18258742, PMID:18340113, PMID:19372543, PMID:19927377, PMID:20164919, PMID:20215515, PMID:20570890, PMID:20606684, PMID:21912889, PMID:22068913, PMID:22336246, PMID:22347499, PMID:22384151, PMID:22460905, PMID:22628656, PMID:23272949, PMID:23546019, PMID:23631600, PMID:23649806, PMID:23671654, PMID:23856246, PMID:23933261, PMID:24042735, PMID:24279929, PMID:24670534, PMID:24755471, PMID:25485619, PMID:25576301, PMID:25841592, PMID:25877200, PMID:25926053, PMID:25944804, PMID:25960936, PMID:25984343, PMID:26169745, PMID:26589293, PMID:26537799, PMID:26719794, PMID:27377824, PMID:27397505, PMID:27807467, PMID:28179481, PMID:28192450, PMID:28196595, PMID:28601559, PMID:28683746, PMID:28854368, PMID:29101300, PMID:29207035, PMID:29444439, PMID:30894373, PMID:30971826, PMID:31068700, PMID:31978347, PMID:32172478, PMID:32927768, PMID:34320349, PMID:35839778, PMID:36648961

Comments: Omics: Transcriptome analysis by serial analysis of gene expression (SAGE)., Omics: Transcriptome analysis by RNAseq., Omics: Transcriptome analysis by microarray., Omics: Transcriptome analysis by massively parallel signature sequencing (MPSS)., Omics: SNP array analysis., Omics: shRNA library screening., Omics: Protein expression by reverse-

phase protein arrays., Omics: N-glycan profiling., Omics: miRNA expression profiling., Omics: Metabolome analysis., Omics: lncRNA expression profiling., Omics: HLA class I peptidome analysis by proteomics., Omics: Fluorescence phenotype profiling., Omics: DNA methylation analysis., Omics: Deep quantitative proteome analysis., Omics: Deep quantitative phosphoproteome analysis., Omics: Deep proteome analysis., Omics: Deep phosphoproteome analysis., Omics: Extracellular vesicles proteome analysis., Omics: Deep exome analysis., Omics: CRISPR phenotypic screen., Omics: CNV analysis., Omics: H3K4me3 ChIP-seq epigenome analysis., Omics: CTCF ChIP-seq epigenome analysis., Omics: Array-based CGH., Population: Caucasian., Part of: NCI-60 cancer cell line panel., Part of: NCI RAS program mutant KRAS cell line panel., Part of: MD Anderson Cell Lines Project., Part of: KuDOS 95 cell line panel., Part of: JFCR39 cancer cell line panel., Part of: FGFR genetic alteration cell panel (ATCC TCP-1034)., 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)., Part of: AstraZeneca Colorectal cell line (AZCL) panel.

Category: Cancer cell line

Name: HCT 116

Synonyms: HCT-116, HCT.116, HCT_116, HCT116, HCT116wt, CoCL2

Cross References: BTO:BTO_0001109, CLO:CLO_0003665, EFO:EFO_0002824, MCCL:MCC:0000181, CLDB:cl1574, CLDB:cl1575, CLDB:cl5198, 4DN:4DNSRMYUIVGD, Abcam:ab255451, Abcam:ab273730, Abcam:ab288559, AddexBio:C0009005/41, ArrayExpress:E-MEXP-2623, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2706, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610, ArrayExpress:E-MTAB-5197, ATCC:CCL-247, BCRC:60349, BCRJ:0288, BioGRID_ORCS_Cell_line:97, BioSample:SAMN03470980, BioSample:SAMN03471481, BioSample:SAMN03473487, BioSample:SAMN05292433, BioSample:SAMN10988251, cancercelllines:CVCL_0291, CCRID:1101HUM-PUMC000158, CCRID:1101HUM-PUMC000331, CCRID:3101HUMTCHu99, CCRID:4201HUM-CCTCC00625, Cell_Model_Passport:SIDM00783, ChEMBL-Cells:CHEMBL3308372, ChEMBL-Targets:CHEMBL394, CLS:300195, ColonAtlas:HCT116, Cosmic:711257, Cosmic:720329, Cosmic:724840, Cosmic:869794, Cosmic:870449, Cosmic:873701, Cosmic:875296, Cosmic:875425, Cosmic:875847, Cosmic:876644, Cosmic:876706, Cosmic:887223, Cosmic:889535, Cosmic:897457, Cosmic:902790, Cosmic:905936, Cosmic:913887, Cosmic:934564, Cosmic:947355, Cosmic:948126, Cosmic:948861, Cosmic:985996, Cosmic:995410, Cosmic:1043815, Cosmic:1044257, Cosmic:1045410, Cosmic:1057752, Cosmic:1066205, Cosmic:1067220, Cosmic:1092600, Cosmic:1102383, Cosmic:1122325, Cosmic:1131683, Cosmic:1132568, Cosmic:1132689, Cosmic:1154644, Cosmic:1175840, Cosmic:1176588, Cosmic:1183769, Cosmic:1184080, Cosmic:1184333, Cosmic:1187306, Cosmic:1218874, Cosmic:1223141, Cosmic:1305353, Cosmic:1310945, Cosmic:1332008, Cosmic:1436021, Cosmic:1466804, Cosmic:1466815, Cosmic:1479594, Cosmic:1486132, Cosmic:1519359, Cosmic:1524003, Cosmic:1524333, Cosmic:1552179, Cosmic:1571772, Cosmic:1609495, Cosmic:1672408, Cosmic:1676727, Cosmic:1708402, Cosmic:1805253, Cosmic:1927246, Cosmic:1945865, Cosmic:1995437, Cosmic:1998442, Cosmic:2036656,

Cosmic:2046556, Cosmic:2052593, Cosmic:2145576, Cosmic:2301978, Cosmic:2389569, Cosmic:2433755, Cosmic:2464667, Cosmic:2550353, Cosmic:2646766, Cosmic:2651864, Cosmic:2667881, Cosmic:2667972, Cosmic:2668248, Cosmic:2727479, Cosmic:2760068, Cosmic:2787545, Cosmic:2811054, Cosmic-CLP:905936, DepMap:ACH-000971, DSMZ:ACC-581, DSMZCellDive:ACC-581, ECACC:91091005, EGA:EGAS00001000610, EGA:EGAS00001000978, EGA:EGAS00001002554, ENCODE:ENCBS004UZY, ENCODE:ENCBS009DQE, ENCODE:ENCBS257IHV, ENCODE:ENCBS378ENC, ENCODE:ENCBS389ENC, ENCODE:ENCBS409ENC, ENCODE:ENCBS409MTT, ENCODE:ENCBS431ENC, ENCODE:ENCBS471AAA, ENCODE:ENCBS472AAA, ENCODE:ENCBS475AAA, ENCODE:ENCBS476AAA, ENCODE:ENCBS494OPB, ENCODE:ENCBS615KTO, ENCODE:ENCBS626JHZ, ENCODE:ENCBS650OZU, ENCODE:ENCBS847SOB, ENCODE:ENCBS851PYB, GDSC:905936, GEO:GSM810, GEO:GSM2143, GEO:GSM50188, GEO:GSM50252, GEO:GSM115118, GEO:GSM206501, GEO:GSM274713, GEO:GSM274714, GEO:GSM274726, GEO:GSM383862, GEO:GSM383867, GEO:GSM383868, GEO:GSM384091, GEO:GSM384092, GEO:GSM481405, GEO:GSM513818, GEO:GSM514292, GEO:GSM580039, GEO:GSM580040, GEO:GSM741266, GEO:GSM743443, GEO:GSM749774, GEO:GSM750773, GEO:GSM750793, GEO:GSM784012, GEO:GSM799331, GEO:GSM799394, GEO:GSM827446, GEO:GSM846355, GEO:GSM887062, GEO:GSM888132, GEO:GSM945287, GEO:GSM945304, GEO:GSM1022651, GEO:GSM1022652, GEO:GSM1153399, GEO:GSM1178133, GEO:GSM1178134, GEO:GSM1178135, GEO:GSM1181250, GEO:GSM1181367, GEO:GSM1346874, GEO:GSM1374516, GEO:GSM1374517, GEO:GSM1374518, GEO:GSM1404391, GEO:GSM1404392, GEO:GSM1448092, GEO:GSM1669868, GEO:GSM2124655, GEO:GSM2550001, GEO:GSM3145712, GEO:GSM3591761, IARC_TP53:21064, ICLC:HTL95025, IZSLER:BS TCL 100, KCB:KCB 200706YJ, KCLB:10247, LiGeA:CCLE_168, LINCS_LDP:LCL-1161, Lonza:691, MeSH:D045325, MetaboLights:MTBLS227, NCBI_Iran:C570, NCI-DTP:HCT-116, PharmacoDB:HCT116_517_2019, PRIDE:PXD000089, PRIDE:PXD000394, PRIDE:PXD001352, PRIDE:PXD001426, PRIDE:PXD001546, PRIDE:PXD001550, PRIDE:PXD002453, PRIDE:PXD002793, PRIDE:PXD004452, PRIDE:PXD005235, PRIDE:PXD005354, PRIDE:PXD005355, PRIDE:PXD005942, PRIDE:PXD005946, PRIDE:PXD025898, PRIDE:PXD030304, PRIDE:PXD032264, PRIDE:PXD037651, Progenetix:CVCL_0291, PubChem_Cell_line:CVCL_0291, RCB:RCB2979, SKY/M-FISH/CGH:1687, SKY/M-FISH/CGH:2778, SKY/M-FISH/CGH:2785, SKY/M-FISH/CGH:3883, TOKU-E:1422, Ubigene:YC-C004, Wikidata:Q28334584

ID: CVCL_0291

Record Creation Time: 20250131T200327+0000

Record Last Update: 20250131T201530+0000

Ratings and Alerts

No rating or validation information has been found for HCT 116.

No alerts have been found for HCT 116.

Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 15367 mentions in open access literature.

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

Wolf G, et al. (2025) The efflux pump ABCC1/MRP1 constitutively restricts PROTAC sensitivity in cancer cells. Cell chemical biology, 32(2), 291.

Jothimani G, et al. (2025) Unraveling the mechanism of microRNA-134 in colon cancer progression: Targeting KRAS and PIK3CA for cell cycle control and histone deacetylase regulation. Experimental cell research, 444(2), 114385.

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Zhou B, et al. (2025) IMPDH2 dephosphorylation under FGFR signaling promotes S-phase progression and tumor growth. Cell reports, 44(1), 115116.

Burger N, et al. (2025) The human zinc-binding cysteine proteome. Cell, 188(3), 832.

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Malla A, et al. (2024) Inhibition of lactate dehydrogenase A by diclofenac sodium induces apoptosis in HeLa cells through activation of AMPK. The FEBS journal, 291(16), 3628.

Lee S, et al. (2024) Everolimus exerts anticancer effects through inhibiting the interaction of matrix metalloproteinase-7 with syndecan-2 in colon cancer cells. American journal of physiology. Cell physiology, 326(4), C1067.

Chen Y, et al. (2024) Functionalized tetrahedral DNA frameworks for the capture of circulating tumor cells. Nature protocols.

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Delacher M, et al. (2024) The effector program of human CD8 T cells supports tissue

remodeling. The Journal of experimental medicine, 221(2).

Ahn DH, et al. (2024) Onvansertib in Combination with FOLFIRI and Bevacizumab in Second-Line Treatment of KRAS-Mutant Metastatic Colorectal Cancer: A Phase Ib Clinical Study. Clinical cancer research : an official journal of the American Association for Cancer Research, 30(10), 2039.

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Mokhtaridoost M, et al. (2024) Inter-chromosomal contacts demarcate genome topology along a spatial gradient. Nature communications, 15(1), 9813.

Wang X, et al. (2024) Fusobacterium nucleatum facilitates anti-PD-1 therapy in microsatellite stable colorectal cancer. Cancer cell, 42(10), 1729.

Zhao G, et al. (2024) Mitotic ER-mitochondria contact enhances mitochondrial Ca2+ influx to promote cell division. Cell reports, 43(10), 114794.

Iwata M, et al. (2024) Reduced chemokine C-C motif ligand 1 expression may negatively regulate colorectal cancer progression at liver metastatic sites. Journal of cellular and molecular medicine, 28(7), e18193.

Ibtisam I, et al. (2024) Early recovery of proteasome activity in cells pulse-treated with proteasome inhibitors is independent of DDI2. eLife, 12.

Lonare A, et al. (2024) 14-3-3? restricts YY1 to the cytoplasm, promoting therapy resistance, and tumor progression in colorectal cancer. International journal of cancer.