

Resource Summary Report

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HCCLM3

RRID:CVCL_6832

Type: Cell Line

Proper Citation

RRID:CVCL_6832

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_6832

Proper Citation: RRID:CVCL_6832

Description: Cell line HCCLM3 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Adult hepatocellular carcinoma

Defining Citation: [PMID:12133480](#), [PMID:12618900](#), [PMID:15796966](#), [PMID:19335983](#), [PMID:32884988](#)

Comments: Karyotypic information: Hypotriploid karyotype. Has lost chromosome Y (PubMed=12618900)., Characteristics: Established from pulmonary metastatic lesions produced in nude mice by 3 rounds of subcutaneous inoculation of parent cell line (PubMed=12133480)., Population: Chinese.

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: HCCLM3

Synonyms: HCCLM-3, HCC-LM3, LM3, MHCC-LM3, MHCCLM3

Cross References: BTO:BTO_0004469, EFO:EFO_0022678, cancercellines:CVCL_6832, CCRID:4201HUM-CCTCC00289, CCTCC:GDC0289, ChEMBL-Cells:ChEMBL4513111, GEO:GSM1374515, PRIDE:PXD000529, PRIDE:PXD005291, PubChem_Cell_line:CVCL_6832, Wikidata:Q54881837

ID: CVCL_6832

Hierarchy: cvcl_4972

Record Creation Time: 20220427T220320+0000

Record Last Update: 20260809T000735+0000

Ratings and Alerts

No rating or validation information has been found for HCCLM3.

No alerts have been found for HCCLM3.

Data and Source Information

Source: [CelloSaurus](#)

Usage and Citation Metrics

We found 987 mentions in open access literature.

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

Li F, et al. (2026) Flap endonuclease 1 drives tumorigenesis across cancers and is a master regulator of proliferation and genomic instability in liver cancer. International journal of biological macromolecules, 349, 150875.

Guo Z, et al. (2026) RASGEF1B suppresses hepatocellular carcinoma through the ALDH7A1/Betaine/SNAI1 metabolic?epigenetic axis. Journal of translational medicine, 24(1).

Li H, et al. (2026) β -catenin mutation reprograms ketone body metabolism to drive hepatocellular carcinoma metastasis and resistance to ketogenic therapy via transcriptional activation of OXCT1. Cell death & disease, 17(1).

Peng X, et al. (2026) Peroxisome-derived and liver-specific hydroxyacid oxidase 1-mediated hydrogen peroxide promotes ferroptosis by augmenting peroxisomal ROS. Journal of advanced research.

Xu M, et al. (2026) UFMylation Suppresses Hepatocellular Carcinoma Metastasis by Inhibiting β -Catenin-Driven Hybrid EMT and NK Cell Evasion. Cancer research, 86(13), 3213.

Xiong W, et al. (2026) G4 DNA potentiates KDM2B phase separation to couple transcriptional repression with immune remodeling in hepatocellular carcinoma. Cancer letters, 657, 218654.

Guo WW, et al. (2026) CCT2 Orchestrates Glycolysis and Exosome-Mediated M2 Macrophage Polarization in HCC tumorigenesis. International journal of biological sciences, 22(7), 3389.

Chen Z, et al. (2026) USP1 promotes hepatocellular carcinoma progression by modulating mitophagy via stabilizing MCM3 to regulate the Keap1-Nrf2 axis. *iScience*, 29(3), 114927.

Yeung CLS, et al. (2025) Identification of molecular markers and exploration of the oncogenic role of exomeres in hepatocellular carcinoma. *Cell reports*, 44(11), 116460.

Yu Q, et al. (2025) PFKL Inhibition by DT-13: A Novel Approach to Combat Hepatocellular Carcinoma. *International journal of hepatology*, 2025, 5211859.

Liu Y, et al. (2025) The upregulation of GDF15 is controlled epigenetically by oncogenic TCF19 signaling in human hepatocellular carcinoma. *iScience*, 28(10), 113503.

Dong Z, et al. (2025) The LUBAC subunit HOIL-1 promotes the progression of HBV-associated hepatocellular carcinoma independently of linear ubiquitination. *Experimental & molecular medicine*, 57(10), 2317.

Wang J, et al. (2025) CD24 recruits tumor-associated neutrophils to promote the progression of hepatocellular carcinoma. *Journal for immunotherapy of cancer*, 13(8).

Zhang C, et al. (2024) Re-evaluation of the relationship between PrPc expression and patient prognosis in primary esophageal squamous cell carcinoma and primary hepatocellular carcinoma. *Scientific reports*, 14(1), 31122.

Chen S, et al. (2024) YTHDF3-mediated m6A modification of NKD1 regulates hepatocellular carcinoma invasion and metastasis by activating the WNT/ β -catenin signaling axis. *Experimental cell research*, 442(1), 114192.

Shao X, et al. (2024) LINC00869 Promotes Hepatocellular Carcinoma Metastasis via Protrusion Formation. *Molecular cancer research : MCR*, 22(3), 282.

Wang Y, et al. (2024) β -Catenin Activation Reprograms Ammonia Metabolism to Promote Senescence Resistance in Hepatocellular Carcinoma. *Cancer research*, 84(10), 1643.

Tang H, et al. (2024) Chemically engineered mTOR-nanoparticle blockers enhance antitumour efficacy. *EBioMedicine*, 103, 105099.

Tang M, et al. (2024) Infiltrative Vessel Co-optive Growth Pattern Induced by IQGAP3 Overexpression Promotes Microvascular Invasion in Hepatocellular Carcinoma. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 30(10), 2206.

Chen Z, et al. (2024) SIGLEC15, negatively correlated with PD-L1 in HCC, could induce CD8⁺ T cell apoptosis to promote immune evasion. *Oncoimmunology*, 13(1), 2376264.