

Resource Summary Report

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p53HCT116

RRID:CVCL_S744

Type: Cell Line

Proper Citation

(RRID:CVCL_S744)

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_S744

Proper Citation: (RRID:CVCL_S744)

Sex: Male

Defining Citation: [PMID:9822382](#), [PMID:19927377](#)

Comments: Population: Caucasian.

Category: Cancer cell line

Name: p53HCT116

Synonyms: P53HCT116, p53-/- HCT116, p53(-/-) HCT-116, HCT116-p53-/-, HCT116-p53

Cross References: cancercellines:CVCL_S744, Cosmic:1132690, SKY/M-FISH/CGH:1688, SKY/M-FISH/CGH:2781, Wikidata:Q54937306

ID: CVCL_S744

Record Creation Time: 20250131T202212+0000

Record Last Update: 20250131T204032+0000

Ratings and Alerts

No rating or validation information has been found for p53HCT116.

No alerts have been found for p53HCT116.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 477 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Lerma Clavero A, et al. (2023) MDM2 inhibitors, nutlin-3a and navtemadelin, retain efficacy in human and mouse cancer cells cultured in hypoxia. *Scientific reports*, 13(1), 4583.

Yang Y, et al. (2023) 5-Fluorouracil Suppresses Colon Tumor through Activating the p53-Fas Pathway to Sensitize Myeloid-Derived Suppressor Cells to FasL+ Cytotoxic T Lymphocyte Cytotoxicity. *Cancers*, 15(5).

Youmbi LM, et al. (2023) Cytotoxicity of the methanol extracts and compounds of *Brucea antidysenterica* (Simaroubaceae) towards multifactorial drug-resistant human cancer cell lines. *BMC complementary medicine and therapies*, 23(1), 48.

Speina E, et al. (2023) Dimeric Benzodiazepines as Peptide Mimetics to Overcome p53-Dependent Drug Resistance of Tumors. *Biomolecules*, 13(2).

Yang H, et al. (2023) ATF2 loss promotes 5-FU resistance in colon cancer cells via activation of the ATR-Chk1 damage response pathway. *BMC cancer*, 23(1), 480.

Barcherini V, et al. (2023) Metabolism-Guided Optimization of Tryptophanol-Derived Isoindolinone p53 Activators. *Pharmaceuticals (Basel, Switzerland)*, 16(2).

Al Hadeethi S, et al. (2023) Mannose Inhibits the Pentose Phosphate Pathway in Colorectal Cancer and Enhances Sensitivity to 5-Fluorouracil Therapy. *Cancers*, 15(8).

Yamaguchi K, et al. (2023) Bromodomain protein BRD8 regulates cell cycle progression in colorectal cancer cells through a TIP60-independent regulation of the pre-RC complex. *iScience*, 26(4), 106563.

Gan Y, et al. (2023) UTP11 deficiency suppresses cancer development via nucleolar stress and ferroptosis. *Redox biology*, 62, 102705.

Han Y, et al. (2023) Dual roles of TRIM3 in colorectal cancer by retaining p53 in the cytoplasm to decrease its nuclear expression. *Cell death discovery*, 9(1), 85.

Barczak W, et al. (2023) Long non-coding RNA-derived peptides are immunogenic and drive a potent anti-tumour response. *Nature communications*, 14(1), 1078.

Kim H, et al. (2023) Transferrin Receptor-Mediated Iron Uptake Promotes Colon Tumorigenesis. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 10(10),

e2207693.

Lundine D, et al. (2022) The C-terminus of Gain-of-Function Mutant p53 R273H Is Required for Association with PARP1 and Poly-ADP-Ribose. *Molecular cancer research : MCR*, 20(12), 1799.

Agrawal Y, et al. (2022) F-box protein FBXO41 suppresses breast cancer growth by inducing autophagic cell death through facilitating proteasomal degradation of oncogene SKP2. *The international journal of biochemistry & cell biology*, 147, 106228.

Wang S, et al. (2022) Ubiquitin ligase DTX3 empowers mutant p53 to promote ovarian cancer development. *Genes & diseases*, 9(3), 705.

Pan M, et al. (2022) Glutamine deficiency in solid tumor cells confers resistance to ribosomal RNA synthesis inhibitors. *Nature communications*, 13(1), 3706.

Al Bitar S, et al. (2022) Thymoquinone Radiosensitizes Human Colorectal Cancer Cells in 2D and 3D Culture Models. *Cancers*, 14(6).

Ribeiro JLP, et al. (2022) 3-(1,2,3-Triazol-4-yl)-?-Carbolines and 3-(1H-Tetrazol-5-yl)-?-Carbolines: Synthesis and Evaluation as Anticancer Agents. *Pharmaceuticals (Basel, Switzerland)*, 15(12).

Pan Y, et al. (2022) Nuclear Beclin 1 Destabilizes Retinoblastoma Protein to Promote Cell Cycle Progression and Colorectal Cancer Growth. *Cancers*, 14(19).

Ko HM, et al. (2022) The Antitumor Effect of Timosaponin A3 through c-Myc Inhibition in Colorectal Cancer Cells and Combined Treatment Effect with 5-FU or Doxorubicin. *International journal of molecular sciences*, 23(19).