

Cell line synopsis



canSAR Version 3.0

HCC116
e.g. BRAF, mtdhb, HCT-116, lung, protein kinase.

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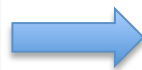
Recent News

canSAR is a free, public cancer-focused knowledgebase. It brings together biological, chemical, pharmacological and disease data, cell lines then and makes them accessible to cancer research scientists from all disciplines to support translational research and drug discovery. Learn more.

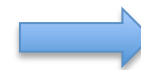
canSAR funded by Cancer Research UK grant number C309A1596

If you find canSAR useful, please cite the reference describing it:
Fridman C, Boudou, Joseph E, Tym, Elizabeth A, Collet, Armand S, Schuler, and Brian Al-Lazkani.
canSAR: updated cancer research and drug discovery knowledgebase.
Nucleic Acids Res. (2014) 42: D1040-D1047. doi:10.1093/nar/nkt182

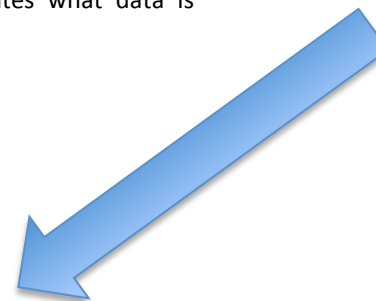
Type whole or part of the cell line name into global search box and click 'Search canSAR'.



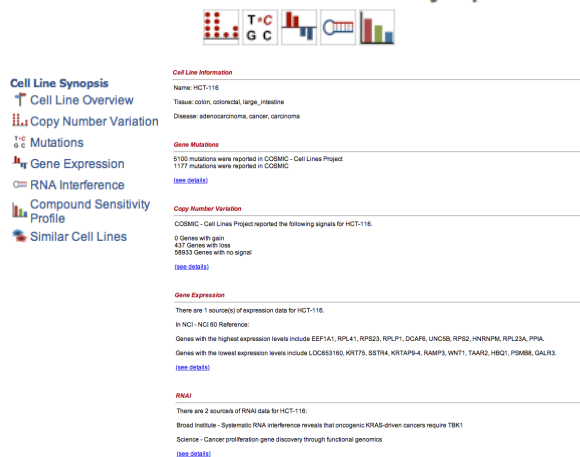
Name	Tissue	Disease	# Compounds	# Activities
<input checked="" type="checkbox"/> HCT116	colorectal...	adenocarcin...	53115	66315
<input checked="" type="checkbox"/> HCT116CMV1			16	23
<input checked="" type="checkbox"/> HCT116CMV2			16	22
<input checked="" type="checkbox"/> HCT116EB1			16	23
<input checked="" type="checkbox"/> HCT116EB2			11	17
<input checked="" type="checkbox"/> HCT116P			15	22
<input checked="" type="checkbox"/> HCT116P21A			16	23
<input checked="" type="checkbox"/> HCT116P21B			15	21
<input checked="" type="checkbox"/> HCT116P21C			13	19
<input checked="" type="checkbox"/> HCT116PV			14	21
<input checked="" type="checkbox"/> HCT116AM48			101	118
<input checked="" type="checkbox"/> HCT116MDR	colorectal...	carcinoma	0	0
<input checked="" type="checkbox"/> HCT116P53	colorectal...	carcinoma	0	0



Click on the Cell Line Synopsis logo next to the cell line you are interested in.



HCT-116 - Overview - Cell Line Synopsis



Cell Line Synopsis

- Cell Line Overview
- Copy Number Variation
- Mutations
- Gene Expression
- RNA Interference
- Compound Sensitivity Profile
- Similar Cell Lines

Cell Line Information

Name: HCT-116
Tissue: colon, colorectal, large_intestine
Disease: adenocarcinoma, cancer, carcinoma

Gene Mutations

5100 mutations were reported in COSMIC - Cell Lines Project
1177 mutations were reported in COSMIC
[\(see details\)](#)

Copy Number Variation

COSMIC - Cell Lines Project reported the following signals for HCT-116:

2 Genes with gain
437 Genes with loss
5633 Genes with no signal
[\(see details\)](#)

Gene Expression

There are 1 source(s) of expression data for HCT-116.

In NCI - NCI 60 Reference:
Genes with the highest expression levels include EEF1A1, RPL41, RPS23, RPLP1, DCAF6, UNC5B, RPS2, HNRNPM, RPL23A, PPA.
Genes with the lowest expression levels include LOC63160, KR175, BSTR4, KMTAP9-4, RAMP3, VINT1, TAAH2, HBD1, PRMB8, GALR3.
[\(see details\)](#)

RNAi

There are 3 source(s) of RNAi data for HCT-116.

Broad Institute - Systematic RNA interference reveals that oncogenic KRAS-driven cancers require TBK1
Science - Cancer proliferation gene discovery through functional genomics
[\(see details\)](#)

This takes you to the Cell Line Synopsis page for this cell line. From here you can view cell line-specific data on CNVs, mutations, RNAi and much more.