

Resource Summary Report

Generated by [NIF](#) on Sep 9, 2026

NCI-H2452

RRID:CVCL_1553

Type: Cell Line

Proper Citation

RRID:CVCL_1553

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_1553

Proper Citation: RRID:CVCL_1553

Description: Cell line NCI-H2452 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Pleural biphasic mesothelioma

Defining Citation: [PMID:7695406](#), [PMID:8806092](#), [PMID:11030152](#), [PMID:20164919](#), [PMID:20215515](#), [PMID:21245096](#), [PMID:21642991](#), [PMID:22460905](#), [PMID:24926545](#), [PMID:25485619](#), [PMID:25877200](#), [PMID:25902174](#), [PMID:25984343](#), [PMID:26011428](#), [PMID:26589293](#), [PMID:27397505](#), [PMID:28553954](#), [PMID:29681454](#), [PMID:30894373](#), [PMID:31068700](#), [PMID:31395879](#), [PMID:31803961](#), [PMID:35839778](#)

Comments: Population: Caucasian., Part of: TCGA-110-CL cell line panel., Part of: COSMIC cell lines project., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE).

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: NCI-H2452

Synonyms: H2452, H-2452, NCIH2452

Cross References: CLO:CLO_0008077, EFO:EFO_0006680, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2706, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610, ATCC:CRL-5946, BioSample:SAMN03471009, BioSample:SAMN10988138, BioSamples:SAMEA100910, cancercellines:CVCL_1553, CCRID:3101HUMTCHu214, Cell_Model_Passport:SIDM00722, ChEMBL-Cells:ChEMBL3308580, ChEMBL-

Targets:CHEMBL1075540, CLS:300391, Cosmic:886392, Cosmic:908462, Cosmic:1032373, Cosmic:1481546, Cosmic:1522763, Cosmic:1541212, Cosmic:1571798, Cosmic:1749557, Cosmic:1963328, Cosmic:1995571, Cosmic:2474096, Cosmic:2758999, Cosmic:2759231, Cosmic-CLP:908462, DepMap:ACH-000092, EGA:EGAS00001000610, EGA:EGAS00001000978, EGA:EGAS00001002554, FANTOM5_SSTAR:10848-111F2, GDSC:908462, GEO:GSM726266, GEO:GSM827515, GEO:GSM850285, GEO:GSM887424, GEO:GSM888503, GEO:GSM1670234, LiGeA:CCLE_468, LINCS_LDP:LCL-1230, PharmacDB:NCIH2452_1092_2019, PRIDE:PXD030304, Progenetix:CVCL_1553, PubChem_Cell_line:CVCL_1553, Wikidata:Q54907975

ID: CVCL_1553

Record Creation Time: 20220427T220839+0000

Record Last Update: 20260905T181244+0000

Ratings and Alerts

No rating or validation information has been found for NCI-H2452.

No alerts have been found for NCI-H2452.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 14 mentions in open access literature.

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

Zhong C, et al. (2025) Deoxypodophyllotoxin inhibited the growth of malignant pleural mesothelioma by inducing necroptosis and mitotic catastrophe. *Phytomedicine : international journal of phytotherapy and phytopharmacology*, 143, 156786.

Hirai S, et al. (2024) Effects of Combined Therapeutic Targeting of AXL and ATR on Pleural Mesothelioma Cells. *Molecular cancer therapeutics*, 23(2), 212.

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.

Kadariya Y, et al. (2024) Low Exposures to Amphibole or Serpentine Asbestos in Germline Bap1-mutant Mice Induce Mesothelioma Characterized by an Immunosuppressive Tumor Microenvironment. *Cancer research communications*, 4(4), 1004.

Pandey GK, et al. (2023) Genetic screens reveal new targetable vulnerabilities in BAP1-deficient mesothelioma. *Cell reports. Medicine*, 4(2), 100915.

Maille E, et al. (2022) A defect of amphiregulin release predicted longer survival independently of YAP expression in patients with pleural mesothelioma in the IFCT-0701 MAPS phase 3 trial. *International journal of cancer*, 150(11), 1889.

K??ferle A, et al. (2022) Interrogation of cancer gene dependencies reveals paralog interactions of autosome and sex chromosome-encoded genes. *Cell reports*, 39(2), 110636.

Sun R, et al. (2022) Picropodophyllin inhibits the growth of pemetrexed-resistant malignant pleural mesothelioma via microtubule inhibition and IGF-1R-, caspase-independent pathways. *Translational lung cancer research*, 11(4), 543.

Tan Y, et al. (2021) Somatic Epigenetic Silencing of RIPK3 Inactivates Necroptosis and Contributes to Chemoresistance in Malignant Mesothelioma. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 27(4), 1200.

Yang H, et al. (2021) NF2 and Canonical Hippo-YAP Pathway Define Distinct Tumor Subsets Characterized by Different Immune Deficiency and Treatment Implications in Human Pleural Mesothelioma. *Cancers*, 13(7).

Barbarino M, et al. (2020) PRMT5 silencing selectively affects MTAP-deleted mesothelioma: In vitro evidence of a novel promising approach. *Journal of cellular and molecular medicine*, 24(10), 5565.

Yang H, et al. (2020) Systematic Analysis of Aberrant Biochemical Networks and Potential Drug Vulnerabilities Induced by Tumor Suppressor Loss in Malignant Pleural Mesothelioma. *Cancers*, 12(8).

Duong BTV, et al. (2020) A liquid biopsy for detecting circulating mesothelial precursor cells: A new biomarker for diagnosis and prognosis in mesothelioma. *EBioMedicine*, 61, 103031.

Kolluri KK, et al. (2018) Loss of functional BAP1 augments sensitivity to TRAIL in cancer cells. *eLife*, 7.