

Resource Summary Report

Generated by [dkNET](#) on Sep 8, 2026

MP46

RRID:CVCL_4D13

Type: Cell Line

Proper Citation

RRID:CVCL_4D13

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_4D13

Proper Citation: RRID:CVCL_4D13

Description: Cell line MP46 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Uveal melanoma

Defining Citation: [PMID:24994677](#), [PMID:39042403](#)

Comments: Characteristics: Established from a patient-derived xenograft (PubMed=24994677)., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE).

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: MP46

Cross References: ATCC:CRL-3298, cancercelllines:CVCL_4D13, Cell_Model_Passport:SIDM01789, DepMap:ACH-002011, PRIDE:PXD051055, Wikidata:Q54906430

ID: CVCL_4D13

Record Creation Time: 20220427T220819+0000

Record Last Update: 20260905T181206+0000

Ratings and Alerts

No rating or validation information has been found for MP46.

No alerts have been found for MP46.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Pan Y, et al. (2025) Functional-proteomics-based investigation of the cellular response to farnesyltransferase inhibition in lung cancer. *iScience*, 28(2), 111864.

Michel M, et al. (2025) Noninvasive Multicancer Detection Using DNA Hypomethylation of LINE-1 Retrotransposons. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 31(7), 1275.

Onken MD, et al. (2025) Inositol (1,4,5)-trisphosphate 5-phosphatase promotes survival of uveal melanoma by regulating oncogenic G protein-driven calcium oscillations. *The Journal of biological chemistry*, 301(9), 110589.

Chattopadhyay C, et al. (2024) Imipridones inhibit tumor growth and improve survival in an orthotopic liver metastasis mouse model of human uveal melanoma. *bioRxiv : the preprint server for biology*.

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

Onken MD, et al. (2023) Protein Kinase Signaling Networks Driven by Oncogenic Gq/11 in Uveal Melanoma Identified by Phosphoproteomic and Bioinformatic Analyses. *Molecular & cellular proteomics : MCP*, 22(11), 100649.

Matareed M, et al. (2023) Novel prognostication biomarker adipophilin reveals a metabolic shift in uveal melanoma and new therapeutic opportunities. *The Journal of pathology*, 260(2), 203.

Chattopadhyay C, et al. (2022) Targeting IRS-1/2 in Uveal Melanoma Inhibits In Vitro Cell Growth, Survival and Migration, and In Vivo Tumor Growth. *Cancers*, 14(24).

Onken MD, et al. (2022) Oncogenic Gq/11 signaling acutely drives and chronically sustains metabolic reprogramming in uveal melanoma. *The Journal of biological chemistry*, 298(1), 101495.

Glinkina K, et al. (2022) Preclinical Evaluation of Trabectedin in Combination With Targeted Inhibitors for Treatment of Metastatic Uveal Melanoma. *Investigative ophthalmology & visual science*, 63(13), 14.

Onken MD, et al. (2021) Targeting primary and metastatic uveal melanoma with a G??protein inhibitor. The Journal of biological chemistry, 296, 100403.

Chattopadhyay C, et al. (2019) Elevated Endogenous SDHA Drives Pathological Metabolism in Highly Metastatic Uveal Melanoma. Investigative ophthalmology & visual science, 60(13), 4187.