

Resource Summary Report

Generated by [dkNET](#) on Sep 21, 2026

MP41

RRID:CVCL_4D12

Type: Cell Line

Proper Citation

RRID:CVCL_4D12

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_4D12

Proper Citation: RRID:CVCL_4D12

Description: Cell line MP41 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Female

Disease: Uveal melanoma

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

Comments: Characteristics: Established from a patient-derived xenograft (PubMed=24994677).

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: MP41

Cross References: ATCC:CRL-3297, cancercellines:CVCL_4D12, ChEMBL-Cells:ChEMBL4879544, DepMap:ACH-002010, PRIDE:PXD051055, Wikidata:Q54906429

ID: CVCL_4D12

Record Creation Time: 20220427T220819+0000

Record Last Update: 20260920T004531+0000

Ratings and Alerts

No rating or validation information has been found for MP41.

No alerts have been found for MP41.

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](#) .

Jin B, et al. (2026) CDK6/4 inactivates BAP1 deubiquitinase destabilizing VHL to promote metastatic colonization in liver. *Molecular cancer*, 25(1).

Stauber D, et al. (2025) CRISPR-Cas13d-Mediated Targeting of a Context-Specific Essential Gene Enables Selective Elimination of Uveal Melanoma. *bioRxiv : the preprint server for biology*.

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.

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.

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.