

Resource Summary Report

Generated by [dkNET](#) on Aug 22, 2026

MDCK.2

RRID:CVCL_B034

Type: Cell Line

Proper Citation

RRID:CVCL_B034

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_B034

Proper Citation: RRID:CVCL_B034

Description: Cell line MDCK.2 is a Spontaneously immortalized cell line with a species of origin Canis lupus familiaris (Dog)

Sex: Female

Defining Citation: [PMID:21982418](#)

Category: Spontaneously immortalized cell line

Organism: Canis lupus familiaris (Dog)

Name: MDCK.2

Cross References: ATCC:CRL-2936, BCRJ:0170, Wikidata:Q54904803

ID: CVCL_B034

Hierarchy: cvcl_0422

Record Creation Time: 20220427T220758+0000

Record Last Update: 20260815T234607+0000

Ratings and Alerts

No rating or validation information has been found for MDCK.2.

No alerts have been found for MDCK.2.

Data and Source Information

Usage and Citation Metrics

We found 18 mentions in open access literature.

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

Fieblinger T, et al. (2026) Repurposing drugs for treating the neurobehavioral manifestations of PTEN hamartoma tumor syndrome. *iScience*, 29(4), 115428.

Schrell L, et al. (2025) Inhibitors of pyrimidine synthesis synergize with N4-hydroxycytidine to diminish influenza virus replication. *Antiviral research*, 244, 106286.

Iglesias-Hernandez P, et al. (2025) Impact of nanoplastics on thyroid function: Unraveling cellular biokinetics, molecular mechanisms and human risk assessment. *Journal of hazardous materials*, 498, 139890.

Stanelle-Bertram S, et al. (2023) CYP19A1 mediates severe SARS-CoV-2 disease outcome in males. *Cell reports. Medicine*, 4(9), 101152.

Zhang A, et al. (2022) Hemagglutinin stalk-binding antibodies enhance effectiveness of neuraminidase inhibitors against influenza via Fc-dependent effector functions. *Cell reports. Medicine*, 3(8), 100718.

Downey J, et al. (2022) Mitochondrial cyclophilin D promotes disease tolerance by licensing NK cell development and IL-22 production against influenza virus. *Cell reports*, 39(12), 110974.

Yegorov S, et al. (2022) Inactivated and live-attenuated seasonal influenza vaccines boost broadly neutralizing antibodies in children. *Cell reports. Medicine*, 3(2), 100509.

Kwon M, et al. (2021) FILIP1L Loss Is a Driver of Aggressive Mucinous Colorectal Adenocarcinoma and Mediates Cytokinesis Defects through PFDN1. *Cancer research*, 81(21), 5523.

Kumar S, et al. (2021) Clinically relevant cell culture models and their significance in isolation, pathogenesis, vaccine development, repurposing and screening of new drugs for SARS-CoV-2: a systematic review. *Tissue & cell*, 70, 101497.

Jewett CE, et al. (2021) RAB19 Directs Cortical Remodeling and Membrane Growth for Primary Ciliogenesis. *Developmental cell*, 56(3), 325.

Krneta-Stankic V, et al. (2021) The Wnt/PCP formin Daam1 drives cell-cell adhesion during nephron development. *Cell reports*, 36(1), 109340.

He J, et al. (2021) Inhibiting Focal Adhesion Kinase Ameliorates Cyst Development in Polycystin-1-Deficient Polycystic Kidney Disease in Animal Model. *Journal of the American Society of Nephrology : JASN*, 32(9), 2159.

Hoffmann M, et al. (2020) SARS-CoV-2 Cell Entry Depends on ACE2 and TMPRSS2 and Is Blocked by a Clinically Proven Protease Inhibitor. *Cell*, 181(2), 271.

Noll KE, et al. (2020) Complex Genetic Architecture Underlies Regulation of Influenza-A-Virus-Specific Antibody Responses in the Collaborative Cross. *Cell reports*, 31(4), 107587.

He J, et al. (2020) Cardamonin retards progression of autosomal dominant polycystic kidney disease via inhibiting renal cyst growth and interstitial fibrosis. *Pharmacological research*, 155, 104751.

Tan B, et al. (2020) The Mammalian Crumbs Complex Defines a Distinct Polarity Domain Apical of Epithelial Tight Junctions. *Current biology : CB*, 30(14), 2791.

Broszeit F, et al. (2019) N-Glycolylneuraminic Acid as a Receptor for Influenza A Viruses. *Cell reports*, 27(11), 3284.

Shaya O, et al. (2017) Cell-Cell Contact Area Affects Notch Signaling and Notch-Dependent Patterning. *Developmental cell*, 40(5), 505.