

Resource Summary Report

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

OK

RRID:CVCL_0472

Type: Cell Line

Proper Citation

RRID:CVCL_0472

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0472

Proper Citation: RRID:CVCL_0472

Description: Cell line OK is a Spontaneously immortalized cell line with a species of origin Didelphis virginiana (North American opossum)

Sex: Female

Defining Citation: [PMID:566717](#), [PMID:1802405](#), [PMID:6394469](#), [PMID:28615248](#), [PMID:30379374](#), [PMID:33122286](#)

Comments: Characteristics: Used to study X chromosome inactivation as well as to investigate proximal tubule ion transport and membrane trafficking., Group: Marsupial cell line.

Category: Spontaneously immortalized cell line

Organism: Didelphis virginiana (North American opossum)

Name: OK

Synonyms: Opossum Kidney, OK-WT

Cross References: BTO:BTO_0003069, CLO:CLO_0008246, MCCL:MCC:0000370, CLDB:cl3766, ATCC:CRL-1840, CCRID:3101MAMGNO20, CLS:606465, ECACC:91021202, GEO:GSM4009046, GEO:GSM4009050, GEO:GSM4009051, GEO:GSM4009052, GEO:GSM4249049, GEO:GSM4249050, GEO:GSM4249051, KCB:KCB 200824YJ, TOKU-E:2794, Wikidata:Q25326634

ID: CVCL_0472

Record Creation Time: 20220427T221357+0000

Record Last Update: 20260905T181953+0000

Ratings and Alerts

No rating or validation information has been found for OK.

No alerts have been found for OK.

Data and Source Information

Source: [CelloSaurus](#)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Garsen M, et al. (2023) Peroxisome proliferator-activated receptor γ agonist mediated inhibition of heparanase expression reduces proteinuria. *EBioMedicine*, 90, 104506.

Long KR, et al. (2022) Cubilin-, megalin-, and Dab2-dependent transcription revealed by CRISPR/Cas9 knockout in kidney proximal tubule cells. *American journal of physiology. Renal physiology*, 322(1), F14.

Mendoza A, et al. (2022) Controlled lipid β -oxidation and carnitine biosynthesis by a vitamin D metabolite. *Cell chemical biology*, 29(4), 660.

Edwards A, et al. (2022) Modelling normal and nephrotic axial uptake of albumin and other filtered proteins along the proximal tubule. *The Journal of physiology*, 600(8), 1933.

Park HJ, et al. (2020) Transcriptional Programs Driving Shear Stress-Induced Differentiation of Kidney Proximal Tubule Cells in Culture. *Frontiers in physiology*, 11, 587358.

Ren Q, et al. (2020) Distinct functions of megalin and cubilin receptors in recovery of normal and nephrotic levels of filtered albumin. *American journal of physiology. Renal physiology*, 318(5), F1284.

Long KR, et al. (2020) Differential kidney proximal tubule cell responses to protein overload by albumin and its ligands. *American journal of physiology. Renal physiology*, 318(3), F851.

Glozzi ML, et al. (2019) Hemoglobin alters vitamin carrier uptake and vitamin D metabolism in proximal tubule cells: implications for sickle cell disease. *American journal of physiology. Cell physiology*, 317(5), C993.

Ren Q, et al. (2019) Shear stress and oxygen availability drive differential changes in opossum kidney proximal tubule cell metabolism and endocytosis. *Traffic (Copenhagen, Denmark)*, 20(6), 448.