

# Resource Summary Report

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

**OK**

RRID:CVCL\_0472

Type: Cell Line

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## Proper Citation

ATCC Cat# CRL-1840, RRID:CVCL\_0472

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## Cell Line Information

**URL:** [https://web.expasy.org/cellosaurus/CVCL\\_0472](https://web.expasy.org/cellosaurus/CVCL_0472)

**Proper Citation:** ATCC Cat# CRL-1840, 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

**Vendor:** ATCC

**Catalog Number:** CRL-1840

**Record Creation Time:** 20220427T221357+0000

**Record Last Update:** 20260905T181953+0000

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## Ratings and Alerts

No rating or validation information has been found for OK.

No alerts have been found for OK.

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## Data and Source Information

**Source:** [Cellosaurus](#)

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## 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  $\gamma$  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  $\beta$ -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.

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.

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.

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.