

Resource Summary Report

Generated by [RRID](#) on Sep 4, 2026

MDCK-4KO-EKARrEV-NLS

RRID:CVCL_D5IH

Type: Cell Line

Proper Citation

RRID:CVCL_D5IH

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_D5IH

Proper Citation: RRID:CVCL_D5IH

Description: Cell line MDCK-4KO-EKARrEV-NLS is a Transformed cell line with a species of origin Canis lupus familiaris (Dog)

Sex: Female

Defining Citation: [PMID:34667080](#)

Comments: Characteristics: Transduced with the FRET biosensor EKARrEV-NLS FRET biosensor EKARrEV-NLS, which consists of a donor fluorescent protein CFP, an ERK substrate peptide derived from RSK1, an optimized linker, a FHA1 phosphate binding domain, an acceptor fluorescent protein YFP and a nuclear localization signal (PubMed=34667080).

Category: Transformed cell line

Organism: Canis lupus familiaris (Dog)

Name: MDCK-4KO-EKARrEV-NLS

Cross References: JCRB:JCRB1990, Wikidata:Q127382757

ID: CVCL_D5IH

Hierarchy: cvcl_d5i5

Record Creation Time: 20240503T071655+0000

Record Last Update: 20260904T020358+0000

Ratings and Alerts

No rating or validation information has been found for MDCK-4KO-EKARrEV-NLS.

No alerts have been found for MDCK-4KO-EKARrEV-NLS.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Deguchi E, et al. (2024) Low-affinity ligands of the epidermal growth factor receptor are long-range signal transmitters in collective cell migration of epithelial cells. Cell reports, 43(11), 114986.