

Resource Summary Report

Generated by [dkNET](#) on Aug 20, 2026

MDCK-EKARrEV-NLS

RRID:CVCL_D5IR

Type: Cell Line

Proper Citation

RRID:CVCL_D5IR

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_D5IR

Proper Citation: RRID:CVCL_D5IR

Description: Cell line MDCK-EKARrEV-NLS is a Spontaneously immortalized 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: Spontaneously immortalized cell line

Organism: *Canis lupus familiaris* (Dog)

Name: MDCK-EKARrEV-NLS

Synonyms: MDCK-WT-EKARrEV-NLS

Cross References: JCRB:JCRB1973, Wikidata:Q127382785

ID: CVCL_D5IR

Hierarchy: cvcl_0422

Record Creation Time: 20240503T071656+0000

Record Last Update: 20260816T000726+0000

Ratings and Alerts

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

No alerts have been found for MDCK-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 [dkNET](#) .

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.