

Resource Summary Report

Generated by [dkNET](#) on Jul 31, 2026

B6.Cg-Tg(Aqp2-cre)1Dek/J

RRID:IMSR_JAX:006881

Type: Organism

Proper Citation

RRID:IMSR_JAX:006881

Organism Information

URL: <https://www.jax.org/strain/006881>

Proper Citation: RRID:IMSR_JAX:006881

Description: Mus musculus with name B6.Cg-Tg(Aqp2-cre)1Dek/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: |transgene insertion 1; Donald E Kohan|aquaporin 2; mutant strain|congenic strain: |Tg(Aqp2-cre)1Dek|Aqp2

Affected Gene: |transgene insertion 1; Donald E Kohan|aquaporin 2

Genomic Alteration: transgene insertion 1; Donald E Kohan

Catalog Number: JAX:006881

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.Cg-Tg(Aqp2-cre)1Dek/J

Record Creation Time: 20250513T053659+0000

Record Last Update: 20260725T044413+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Tg(Aqp2-cre)1Dek/J.

No alerts have been found for B6.Cg-Tg(Aqp2-cre)1Dek/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Raymundo JR, et al. (2023) KCTD1/KCTD15 complexes control ectodermal and neural crest cell functions, and their impairment causes aplasia cutis. The Journal of clinical investigation, 134(4).

Lamontagne JO, et al. (2022) Transcription factors AP-2 α and AP-2 β regulate distinct segments of the distal nephron in the mammalian kidney. Nature communications, 13(1), 2226.

Soares AG, et al. (2021) Stimulation of the Epithelial Na⁺ Channel in Renal Principal Cells by Gs-Coupled Designer Receptors Exclusively Activated by Designer Drugs. Frontiers in physiology, 12, 725782.

Abd El-Aziz TM, et al. (2021) Mechanisms and consequences of casein kinase II and ankyrin-3 regulation of the epithelial Na⁺ channel. Scientific reports, 11(1), 14600.

Marneros AG, et al. (2021) Magnesium and Calcium Homeostasis Depend on KCTD1 Function in the Distal Nephron. Cell reports, 34(2), 108616.

Molina-Jijon E, et al. (2020) Secretion of the epithelial sodium channel chaperone PCSK9 from the cortical collecting duct links sodium retention with hypercholesterolemia in nephrotic syndrome. Kidney international, 98(6), 1449.

Marneros AG, et al. (2020) AP-2 α /KCTD1 Control Distal Nephron Differentiation and Protect against Renal Fibrosis. Developmental cell, 54(3), 348.

Saxena V, et al. (2019) Whole Transcriptome Analysis of Renal Intercalated Cells Predicts Lipopolysaccharide Mediated Inhibition of Retinoid X Receptor α Function. Scientific reports, 9(1), 545.

Miyazaki T, et al. (2019) Cell-specific image-guided transcriptomics identifies complex injuries caused by ischemic acute kidney injury in mice. Communications biology, 2, 326.

Wu MM, et al. (2019) Lovastatin attenuates hypertension induced by renal tubule-specific knockout of ATP-binding cassette transporter A1, by inhibiting epithelial sodium channels. British journal of pharmacology, 176(18), 3695.