Resource Summary Report

Generated by dkNET on Sep 4, 2026

STOCK Tg(Pax2-cre)1Akg/Mmnc

RRID:MMRRC_010569-UNC
Type: Organism

Proper Citation

RRID:MMRRC_010569-UNC

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=10569

Proper Citation: RRID:MMRRC_010569-UNC

Description: Mus musculus with name STOCK Tg(Pax2-cre)1Akg/Mmnc from MMRRC.

Species: Mus musculus

Notes: Research areas: Developmental Biology, Internal/Organ, Models for Human Disease, Neurobiology, Reproduction, Research Tools, Sensorineural; Mutation Type: Transgenic ; Collection:

Affected Gene: Pax2|cre|

Catalog Number: 010569-UNC

Background: Transgenic

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: PMID:15083520

Alternate IDs: MMRRC_10569-UNC, MMRRC_010569, MMRRC_1569

Organism Name: STOCK Tg(Pax2-cre)1Akg/Mmnc

Record Creation Time: 20230308T054906+0000

Record Last Update: 20260829T122038+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Tg(Pax2-cre)1Akg/Mmnc.

No alerts have been found for STOCK Tg(Pax2-cre)1Akg/Mmnc.

Data and Source Information

Source: Integrated Animals

Source Database: Mutant Mouse Resource and Research Center (MMRRC)

Usage and Citation Metrics

We found 19 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Kozlowski C, et al. (2024) Retinal neurons establish mosaic patterning by excluding homotypic somata from their dendritic territories. Cell reports, 43(8), 114615.

Zaman T, et al. (2024) Kit Ligand and Kit receptor tyrosine kinase sustain synaptic inhibition of Purkinje cells. eLife, 12.

Miranda CO, et al. (2023) Synaptic Targets of Glycinergic Neurons in Laminae I-III of the Spinal Dorsal Horn. International journal of molecular sciences, 24(8).

O'Donnell J, et al. (2022) Vestibular Hair Cells Require CAMSAP3, a Microtubule Minus-End Regulator, for Formation of Normal Kinocilia. Frontiers in cellular neuroscience, 16, 876805.

Gilbert BL, et al. (2021) Actin Crosslinking Family Protein 7 Deficiency Does Not Impair Hearing in Young Mice. Frontiers in cell and developmental biology, 9, 709442.

Moon KH, et al. (2020) Dysregulation of sonic hedgehog signaling causes hearing loss in ciliopathy mouse models. eLife, 9.

Morell RJ, et al. (2020) Noncoding Microdeletion in Mouse Hgf Disrupts Neural Crest Migration into the Stria Vascularis, Reduces the Endocochlear Potential, and Suggests the Neuropathology for Human Nonsyndromic Deafness DFNB39. The Journal of neuroscience : the official journal of the Society for Neuroscience, 40(15), 2976.

Choi HJ, et al. (2020) DNAJC14 Ameliorates Inner Ear Degeneration in the DFNB4 Mouse Model. Molecular therapy. Methods & clinical development, 17, 188.

Cederroth CR, et al. (2019) Circadian Regulation of Cochlear Sensitivity to Noise by Circulating Glucocorticoids. Current biology : CB, 29(15), 2477.

Shin JO, et al. (2018) CTCF Regulates Otic Neurogenesis via Histone Modification in the Neurog1 Locus. Molecules and cells, 41(7), 695.

Zhang H, et al. (2017) An Eya1-Notch axis specifies bipotential epibranchial differentiation in mammalian craniofacial morphogenesis. eLife, 6.

Rasouly HM, et al. (2016) Loss of Zeb2 in mesenchyme-derived nephrons causes primary glomerulocystic disease. Kidney international, 90(6), 1262.

Shibata S, et al. (2016) Hepatocyte Growth Factor-c-MET Signaling Mediates the Development of Nonsensory Structures of the Mammalian Cochlea and Hearing. The Journal of neuroscience : the official journal of the Society for Neuroscience, 36(31), 8200.

Kim HJ, et al. (2013) Conditional deletion of pten leads to defects in nerve innervation and neuronal survival in inner ear development. PloS one, 8(2), e55609.

Laronda MM, et al. (2013) Diethylstilbestrol induces vaginal adenosis by disrupting SMAD/RUNX1-mediated cell fate decision in the M??llerian duct epithelium. Developmental biology, 381(1), 5.

Gall JM, et al. (2012) Role of mitofusin 2 in the renal stress response. PloS one, 7(1), e31074.

Cox BC, et al. (2012) Conditional gene expression in the mouse inner ear using Cre-loxP. Journal of the Association for Research in Otolaryngology : JARO, 13(3), 295.

Wang Y, et al. (2009) Targeted connexin26 ablation arrests postnatal development of the organ of Corti. Biochemical and biophysical research communications, 385(1), 33.

Jayasena CS, et al. (2008) Notch signaling augments the canonical Wnt pathway to specify the size of the otic placode. Development (Cambridge, England), 135(13), 2251.