

Resource Summary Report

Generated by [dkNET](#) on Jul 30, 2026

KK/HIJ

RRID:IMSR_JAX:002106

Type: Organism

Proper Citation

RRID:IMSR_JAX:002106

Organism Information

URL: <https://www.jax.org/strain/002106>

Proper Citation: RRID:IMSR_JAX:002106

Description: Mus musculus with name KK/HIJ from IMSR.

Species: Mus musculus

Synonyms: Kasukabe

Notes: gene symbol note: cadherin related 23 (otocadherin)|hemolytic complement|cytochrome c oxidase subunit 7A2 like; inbred strain: Cdh23|Hc|Cox7a2l

Affected Gene: cadherin related 23 (otocadherin)|hemolytic complement|cytochrome c oxidase subunit 7A2 like

Genomic Alteration: age related hearing loss 1|deficient|long

Catalog Number: JAX:002106

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: embryo

Organism Name: KK/HIJ

Record Creation Time: 20250513T053629+0000

Record Last Update: 20260725T044337+0000

Ratings and Alerts

No rating or validation information has been found for KK/HIJ.

No alerts have been found for KK/HIJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Soma K, et al. (2022) Anticalcification effects of DS-1211 in pseudoxanthoma elasticum mouse models and the role of tissue-nonspecific alkaline phosphatase in ABCC6-deficient ectopic calcification. Scientific reports, 12(1), 19852.

Sheppard K, et al. (2022) Stride-level analysis of mouse open field behavior using deep-learning-based pose estimation. Cell reports, 38(2), 110231.

Inglis A, et al. (2021) Strain-based and sex-biased differences in adrenal and pancreatic gene expression between KK/HIJ and C57BL/6J mice. BMC genomics, 22(1), 180.

Almeida JL, et al. (2019) Interlaboratory study to validate a STR profiling method for intraspecies identification of mouse cell lines. PloS one, 14(6), e0218412.

Inglis A, et al. (2019) Strain and sex-based glucocentric & behavioral differences between KK/HIJ and C57BL/6J mice. Physiology & behavior, 210, 112646.

Radaelli E, et al. (2018) Immune Relevant and Immune Deficient Mice: Options and Opportunities in Translational Research. ILAR journal, 59(3), 211.

Lin YJ, et al. (2017) Rhein lysinate protects renal function in diabetic nephropathy of KK/HIJ mice. Experimental and therapeutic medicine, 14(6), 5801.

Segall SK, et al. (2015) Molecular genetic mechanisms of allelic specific regulation of murine Comt expression. Pain, 156(10), 1965.

Hersch M, et al. (2012) Mapping genetic variants associated with beta-adrenergic responses in inbred mice. PloS one, 7(7), e41032.

Zorc M, et al. (2012) Catalog of microRNA seed polymorphisms in vertebrates. PloS one, 7(1), e30737.

Johnson NV, et al. (2012) Haplotype Association Mapping Identifies a Candidate Gene Region in Mice Infected With Staphylococcus aureus. G3 (Bethesda, Md.), 2(6), 693.

Radovanovic I, et al. (2011) Genetic control of susceptibility to infection with *Candida albicans* in mice. *PloS one*, 6(4), e18957.

Boon AC, et al. (2011) H5N1 influenza virus pathogenesis in genetically diverse mice is mediated at the level of viral load. *mBio*, 2(5).

Li Z, et al. (2010) A transposon in *Comt* generates mRNA variants and causes widespread expression and behavioral differences among mice. *PloS one*, 5(8), e12181.

Walter NA, et al. (2009) High throughput sequencing in mice: a platform comparison identifies a preponderance of cryptic SNPs. *BMC genomics*, 10, 379.

Berthonneche C, et al. (2009) Cardiovascular response to beta-adrenergic blockade or activation in 23 inbred mouse strains. *PloS one*, 4(8), e6610.

Pletcher MT, et al. (2004) Use of a dense single nucleotide polymorphism map for in silico mapping in the mouse. *PLoS biology*, 2(12), e393.