

Resource Summary Report

Generated by [Kravitz](#) on Sep 18, 2026

CBA/J

RRID:IMSR_JAX:000656

Type: Organism

Proper Citation

RRID:IMSR_JAX:000656

Organism Information

URL: <https://www.jax.org/strain/000656>

Proper Citation: RRID:IMSR_JAX:000656

Description: Mus musculus with name CBA/J from IMSR.

Species: Mus musculus

Synonyms: CBA/J-Pde6b. CBA Jackson. CBA/J-Mx1

Notes: gene symbol note: aryl-hydrocarbon receptor|hemoglobin beta chain complex|phosphodiesterase 6B; cGMP; rod receptor; beta polypeptide|cytochrome c oxidase subunit 7A2 like|histamine receptor H1|latent transforming growth factor beta binding protein 4|CD5 antigen|beta-2 microglobulin|MX dynamin-like GTPase 1; inbred strain: Ahr|Hbb|Pde6b|Cox7a2l|Hrh1|Ltbp4|Cd5|B2m|Mx1

Affected Gene: aryl-hydrocarbon receptor|hemoglobin beta chain complex|phosphodiesterase 6B; cGMP; rod receptor; beta polypeptide|cytochrome c oxidase subunit 7A2 like|histamine receptor H1|latent transforming growth factor beta binding protein 4|CD5 antigen|beta-2 microglobulin|MX dynamin-like GTPase 1

Genomic Alteration: b-2 variant|d|retinal degeneration 1|long|B pertussis induced histamine sensitization; resistant|Duchenne modifier 1 susceptible|a variant|myxovirus susceptibility 2

Catalog Number: JAX:000656

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: CBA/J

Record Creation Time: 20250513T053620+0000

Record Last Update: 20260912T060405+0000

Ratings and Alerts

- Used for genotyping by the Human Islet Research Network community. Contact(s): [Seung Kim](#), [Pedro Herrera](#) - Human Islets Research Network <https://hirnetwork.org/>

No alerts have been found for CBA/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 784 mentions in open access literature.

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

Babcock IW, et al. (2026) Enhancing the specificity of microglia genetic targeting using a CSF1R inhibitor. Cell reports, 45(6), 117411.

Lorek D, et al. (2026) TLR9 Inhibition Shortly After Mating Increases Fetal Resorption and Alters B- and T-Cell Costimulatory Phenotypes in an Abortion-Prone Mouse Model. International journal of molecular sciences, 27(2).

He F, et al. (2026) miR-146a/b-5p-IRAK1-NF- κ B Axis Regulates Unexplained Recurrent Spontaneous Abortion. Journal of molecular recognition : JMR, 39(3), e70030.

Sibley LA, et al. (2026) ZBP1 mediated restriction of Toxoplasma gondii in both the early acute and chronic brain stages of infection. ImmunoHorizons, 10(4).

Uy JN, et al. (2026) Toxoplasma IMC1 is a central component of the subpellicular network and plays critical roles in parasite morphology, replication, and infectivity. PLoS pathogens, 22(5), e1014080.

Duong TV, et al. (2026) Time-of-Day Impacts Uterine Circadian Rhythms and Response to Oxytocin: Comparison of Uterine Function in Melatonin-Deficient C57BL/6 Versus Melatonin Proficient CBA/B6 Hybrid Mice. Journal of pineal research, 78(2), e70112.

Teve M, et al. (2026) Long-chain fatty acid homeostasis contributes to survival of uropathogenic E. coli during copper toxicity. Journal of bacteriology, 208(4), e0011726.

Xia L, et al. (2026) Bushen Huoxue Recipe enhances the immune microenvironment at the maternal-fetal interface via the Hippo signaling pathway in mice with recurrent

spontaneous abortion. *Journal of traditional and complementary medicine*, 16(2), 154.

de Dios R, et al. (2026) Network-level divergence in cyclic di-GMP signalling drives ecological versatility in *Acinetobacter baumannii*. *NPJ biofilms and microbiomes*, 12(1).

Tushabe P, et al. (2026) Higher stability of novel live-attenuated oral poliovirus type 2 (nOPV2) despite the emergence of a neurovirulent double recombinant strain in Uganda. *Nature microbiology*, 11(2), 406.

Cho SI, et al. (2026) SIRT1 activation by SRT2104 enhances mitophagy and reduces senescence in auditory cells. *Scientific reports*, 16(1), 6404.

Song G, et al. (2026) Excessive Kynurenine Metabolism Impairs Lysosomal acidification and Triggers mtDNA Release via the AHR/CISH/ATP6V1A Axis in Decidual Macrophages Associated with Unexplained Recurrent Pregnancy Loss. *International journal of biological sciences*, 22(2), 895.

Paudel S, et al. (2026) Cytolethal Distending Toxin Enhances *Escherichia coli* Urinary Tract Infection. *bioRxiv : the preprint server for biology*.

López-Álvarez M, et al. (2026) Detecting Bacteria in Their Mammalian Hosts Using Metabolism-Targeted [13C]CO₂ Breath Testing. *ACS central science*, 12(4), 457.

Ali S, et al. (2026) Butyrophilin 2A2 promotes T cell immunoregulation via CD45 phosphatase activation and protects against murine autoimmune glomerulonephritis and pregnancy loss. *Nature communications*, 17(1), 1325.

Kubota S, et al. (2026) ChREBP drives β -cell proliferation under metabolic stress but not in pregnancy-induced β -cell expansion. *Journal of diabetes investigation*, 17(6), 938.

Walker M, et al. (2026) A Squeak Is Not Enough: Female Presence and Vocal Playback Have Contrasting Effects on c-Fos Expression by Dorsal Raphe Neurons in Lab Mice. *Brain sciences*, 16(2).

Shealy NG, et al. (2026) Aspartate aminotransferase is required for *Salmonella* expansion in the inflamed gut via TCA anaplerosis. *Infection and immunity*, 94(5), e0016126.

Fleck RC, et al. (2026) Emerging pathogens in urinary tract infections: virulence and phenotypic characterization of *Pseudomonas aeruginosa* strains. *mSphere*, 11(6), e0015126.

Barroso MT, et al. (2026) Vitrification-warming delays preimplantation development and impairs mitochondrial function and cytoplasmic lattices integrity in mouse embryos. *iScience*, 29(6), 115859.