

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 2, 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: latent transforming growth factor beta binding protein 4|aryl-hydrocarbon receptor|histamine receptor H1|hemoglobin beta chain complex|CD5 antigen|beta-2 microglobulin|phosphodiesterase 6B; cGMP; rod receptor; beta polypeptide|cytochrome c oxidase subunit 7A2 like|MX dynamin-like GTPase 1; inbred strain: Ltbp4|Ahr|Hrh1|Hbb|Cd5|B2m|Pde6b|Cox7a2|Mx1

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

Genomic Alteration: Duchenne modifier 1 susceptible|b-2 variant|B pertussis induced histamine sensitization; resistant|d|a variant|retinal degeneration 1|long|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: 20260801T050320+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 744 mentions in open access literature.

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

Ren W, et al. (2025) A tandem repeat atlas for the genome of inbred mouse strains: A genetic variation resource. iScience, 28(11), 113703.

Thulasiram MR, et al. (2025) Molecular differences between young and mature stria vascularis from organotypic explants and transcriptomics. iScience, 28(2), 111832.

Zhou H, et al. (2025) Hsa-miR-532-3p protects human decidual mesenchymal stem cells from oxidative stress in recurrent spontaneous abortion via targeting KEAP1. Redox biology, 80, 103508.

Zou Y, et al. (2025) Interaction between the liver transcriptome and gut microbiota in mice during Toxoplasma gondii infection as identified by integrated transcriptomic and microbiome analysis. BMC microbiology, 25(1), 137.

Wu ZH, et al. (2025) Dysregulation of MYBL2 impairs extravillous trophoblast lineage development and function, contributing to recurrent spontaneous abortion. Proceedings of the National Academy of Sciences of the United States of America, 122(18), e2421653122.

Usategui-Martínez R, et al. (2025) The p.R321C mutation in the p62 protein is associated with abnormalities in the central nervous system. Scientific reports, 15(1), 16929.

Zhang Z, et al. (2025) Daphnetin alleviates unexplained recurrent spontaneous abortion by regulating the NR4A1/BACH2 axis in mice. Biological research, 58(1), 77.

- Li G, et al. (2025) Protective effects of an Fc-engineered PD-L1 fusion protein in a spontaneous abortion model and a Th17 cell-induced pregnancy loss model. *Frontiers in pharmacology*, 16, 1703805.
- Leuner LR, et al. (2025) What matters to a mouse? Effects of internal and external context on male vocal response to female squeaks. *PloS one*, 20(2), e0312789.
- Thaprawat P, et al. (2025) *Toxoplasma gondii* PROP1 is critical for autophagy and parasite viability during chronic infection. *mSphere*, 10(3), e0082924.
- Zhang L, et al. (2025) The immune mechanism of the mTOR/ACC1/CPT1A fatty acid oxidation signaling pathway in Hashimoto's thyroiditis. *Journal of endocrinological investigation*, 48(4), 845.
- Zhu X, et al. (2025) miR-126-5p protects from URSA via inhibiting Caspase-1-dependent pyroptosis of trophoblast cells. *Cellular and molecular life sciences : CMLS*, 82(1), 204.
- Kent RS, et al. (2025) Motility-dependent processes in *Toxoplasma gondii* tachyzoites and bradyzoites: same same but different. *mSphere*, 10(3), e0085524.
- Lin JS, et al. (2025) AAV-mediated transgene delivery targeting spiral ganglion nonsensory cells. *Neuroreport*, 36(9), 497.
- Cui L, et al. (2025) Dysfunctional Decidual CD4⁺T Cells Induce Recurrent Pregnancy Loss via Palmitoylation-Dependent Tim-3 Lysosomal Sorting and Degradation. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 12(38), e00971.
- Kos JT, et al. (2025) Characterization of extensive diversity in immunoglobulin light chain variable germline genes across biomedically important mouse strains. *ImmunoHorizons*, 9(8).
- Jaswal K, et al. (2025) Commensal yeast promotes *Salmonella* Typhimurium virulence. *Nature*, 645(8082), 1002.
- Larabi AB, et al. (2025) *Salmonella* produces sulfide to compete with *Escherichia coli* in the gut lumen. *Proceedings of the National Academy of Sciences of the United States of America*, 122(37), e2504095122.
- Chen X, et al. (2025) ANXA6 Overexpression Causes Abnormal Decidual Macrophage-Trophoblast Crosstalk in Recurrent Spontaneous Abortion. *International journal of biological sciences*, 21(12), 5206.
- Li PF, et al. (2025) Granulocyte colony-stimulating factor induced T-cell hyporesponsiveness via modulation of CD177+S100Ahi neutrophils in unexplained recurrent pregnancy loss. *Clinical and translational medicine*, 15(10), e70508.