Resource Summary Report

Generated by kravitz2 on Sep 7, 2026

B6.129S4(D2)-Casp4^{tm1Yuan}/J

RRID:IMSR_JAX:024698
Type: Organism

Proper Citation

RRID:IMSR_JAX:024698

Organism Information

URL: https://www.jax.org/strain/024698

Proper Citation: RRID:IMSR_JAX:024698

Description: Mus musculus with name B6.129S4(D2)-Casp4^{tm1Yuan}/J from IMSR.

Species: Mus musculus

Synonyms: STOCK Casp4/J

Notes: gene symbol note: caspase 4; apoptosis-related cysteine peptidase; mutant strain|congenic strain: Casp4

Affected Gene: caspase 4; apoptosis-related cysteine peptidase

Genomic Alteration: targeted mutation 1; Junying Yuan

Catalog Number: JAX:024698

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129S4(D2)-Casp4^{tm1Yuan}/J

Record Creation Time: 20250513T053751+0000

Record Last Update: 20260905T044531+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S4(D2)-Casp4^{tm1Yuan}/J.

No alerts have been found for B6.129S4(D2)-Casp4^{tm1Yuan}/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 9 mentions in open access literature.

Listed below are recent publications. The full list is available at kravitz2 .

Chan FHM, et al. (2025) Plasticity of cell death pathways ensures GSDMD activation during Yersinia pseudotuberculosis infection. Cell reports, 44(1), 115216.

Pizzuto M, et al. (2025) Cardiolipin inhibits the non-canonical inflammasome by preventing LPS binding to caspase-4/11. The EMBO journal, 44(16), 4419.

Yeap HW, et al. (2025) A bacterial network of T3SS effectors counteracts host pro-inflammatory responses and cell death to promote infection. The EMBO journal, 44(9), 2424.

Winsor NJ, et al. (2025) Cross-kingdom-mediated detection of intestinal protozoa through NLRP6. Cell host & microbe, 33(3), 388.

Ma Y, et al. (2023) Cytosolic LPS-induced caspase-11 oligomerization and activation is regulated by extended synaptotagmin 1. Cell reports, 42(7), 112726.

Gao J, et al. (2019) The reduction of XIAP is associated with inflammasome activation in RPE: implications for AMD pathogenesis. Journal of neuroinflammation, 16(1), 171.

Pronin A, et al. (2019) Inflammasome Activation Induces Pyroptosis in the Retina Exposed to Ocular Hypertension Injury. Frontiers in molecular neuroscience, 12, 36.

Dvoriantchikova G, et al. (2018) Pannexin 1 sustains the electrophysiological responsiveness of retinal ganglion cells. Scientific reports, 8(1), 5797.

Zanoni I, et al. (2017) By Capturing Inflammatory Lipids Released from Dying Cells, the Receptor CD14 Induces Inflammasome-Dependent Phagocyte Hyperactivation. Immunity, 47(4), 697.