

Resource Summary Report

Generated by [NIF](#) on Sep 9, 2026

STOCK Arrb2^{tm1Rjl}/J

RRID:IMSR_JAX:011130

Type: Organism

Proper Citation

RRID:IMSR_JAX:011130

Organism Information

URL: <https://www.jax.org/strain/011130>

Proper Citation: RRID:IMSR_JAX:011130

Description: Mus musculus with name STOCK Arrb2^{tm1Rjl}/J from IMSR.

Species: Mus musculus

Synonyms: B6.129-Arrb2/J

Notes: gene symbol note: arrestin; beta 2; mutant stock: Arrb2

Affected Gene: arrestin; beta 2

Genomic Alteration: targeted mutation 1; Robert J Lefkowitz

Catalog Number: JAX:011130

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: STOCK Arrb2^{tm1Rjl}/J

Record Creation Time: 20250513T053719+0000

Record Last Update: 20260905T044504+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Arrb2^{tm1Rjl}/J.

No alerts have been found for STOCK Arrb2^{tm1Rjl}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

George K, et al. (2024) Robust GRK2/3/6-dependent desensitization of oxytocin receptor in neurons. *iScience*, 27(6), 110047.

Zaimia N, et al. (2023) GLP-1 and GIP receptors signal through distinct β -arrestin 2-dependent pathways to regulate pancreatic β cell function. *Cell reports*, 42(11), 113326.

Sénéchal C, et al. (2022) The adhesion G-protein-coupled receptor Gpr116 is essential to maintain the skeletal muscle stem cell pool. *Cell reports*, 41(7), 111645.

Tsukahara T, et al. (2021) A transcriptional rheostat couples past activity to future sensory responses. *Cell*, 184(26), 6326.

Slosky LM, et al. (2020) β -Arrestin-Biased Allosteric Modulator of NTSR1 Selectively Attenuates Addictive Behaviors. *Cell*, 181(6), 1364.

Kliwer A, et al. (2020) Morphine-induced respiratory depression is independent of β -arrestin2 signalling. *British journal of pharmacology*, 177(13), 2923.

Paschoal VA, et al. (2020) Positive Reinforcing Mechanisms between GPR120 and PPAR γ Modulate Insulin Sensitivity. *Cell metabolism*, 31(6), 1173.