STOCK Arrb2^{im1Rji/}

Stock No: 011130 | arr2-KO

-targeted mutation

AVAILABLE

PLACE ORDER

Live mice available in varying quantities. Ask Customer Service for details.

Overview

Also Known As: arr2-KO

These Arrb2 (arrestin, beta 2) knock-out mice show a significantly increased potentiation and prolongation of the analgesic effect of morphine, and may be useful in studies of pain and analgesia.

Donating Investigator

Robert Lefkowitz, Duke University Medical Center

READ MORE +

GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tbody>
<tr>
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**Arrb2^tm1Rjl**

<table>
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<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
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<tbody>
<tr>
<td>Targeted (Null/Knockout)</td>
<td>Arrb2</td>
<td>arrestin, beta 2</td>
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**RESEARCH APPLICATIONS**
Sensorineural Research
Neurobiology Research

**BASE PRICE**
Starting at:

$271.00 Domestic price for female 4-week

**Details**

**Detailed Description**

Homozygous Arrb2 (arrestin, beta 2) targeted mutation mice show a significantly increased potentiation and prolongation of the analgesic effect of morphine, suggesting that opioid receptor desensitization is impaired. They lack expression of the gene as determined by immunoblot of brainstem, periaqueductal gray tissue, spleen, lung, and skin. These mice may be useful in studies of pain and analgesia.

**Development**

**Control Suggestions**

**Selected References**

**Genetics**

**Arrb2^tm1Rjl**

**Disease/Phenotype**

**Disease Terms**
Genotyping Protocols
Separated MCA: Arrb2\textsuperscript{tm1Rjl}
Separated PCR: Arrb2\textsuperscript{tm1Rjl}
Genotyping resources and troubleshooting

Breeding Considerations
When maintained as a live colony, homozygotes or heterozygotes may be bred.
Additional Breeding and Husbandry Support

Mating System
Homozygote x Homozygote

Citation
When using the arr2\textsuperscript{tm1Rjl} mouse strain in a publication, please cite the originating article(s) and include JAX stock #011130 in your Materials and Methods section.

Facility Barrier Level Descriptions

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Pricing & Availability

Live mice available in varying quantities. Ask Customer Service for details.

<table>
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<th>Live Mouse</th>
<th>SEX</th>
<th>GENOTYPE</th>
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<td>Male</td>
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**Related Products and Services**

Frozen Mouse Embryo  $2,595.00 per straw or vial

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**General Terms and Conditions**

**Licensing Information**

Phone: 207-288-6470  Email: TechTran@jax.org

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**Related Strains**

- All
- By Allele
- By Gene
- By Collection