Overview

Also Known As: B6.129P2-Agrt1tm1Unc/J, AT1AR KO

Homozygous mice show no response to angiotensin II infusion and have lower blood pressure than normal wildtype siblings. Heterozygous mice have an altered response to angiotensin II infusion and lower blood pressure.

Donating Investigator

Dr. Oliver Smithies, University of North Carolina at Chapel Hill
RESEARCH APPLICATIONS
Cardiovascular Research

BASE PRICE
Starting at:

$278.00 Domestic price for female
556.00 Domestic price for breeder pair

Mice homozygous mice for the targeted mutation are viable and fertile. Pressor responses to angiotensin II infusions are absent and blood pressure levels are ~24 mmHg lower than normal wildtype siblings. Heterozygous mice have blood pressure levels ~12 mmHg lower than normal wildtype siblings and show qualitatively altered responses to angiotensin II infusions.

Development

Control Suggestions

Selected References

Genetics

Agtr1a<sup>tm1Unc</sup>

Disease/Phenotype
Genotyping Protocols

Standard PCR: Agtr1a<sup>tm1Unc</sup>

Genotyping resources and troubleshooting

Breeding Considerations

When maintaining a live colony, homozygous mice are bred. Expected coat color from breeding: Black.

**Additional Breeding and Husbandry Support**

**Mating System**

Homozygote x Homozygote

**Appearance**

black

**Related Genotype:** a/a

**Citation**

When using the AT1AR KO mouse strain in a publication, please cite the originating article(s) and include JAX stock #002682 in your Materials and Methods section.

**Animal Health Reports**

**Facility Barrier Level Descriptions**

AX18 (Maximum)

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**Pricing & Availability**

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**Domestic & International**

Pricing effective for USA, Canada and Mexico shipping destinations

<table>
<thead>
<tr>
<th>AGE</th>
<th>SEX</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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</thead>
<tbody>
<tr>
<td>Approx 4-8 weeks</td>
<td>Female</td>
<td>Heterozygous for Agtr1a&lt;sup&gt;tm1Unc&lt;/sup&gt;</td>
<td>$278.00</td>
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Estimated to begin distribution on May 25, 2020

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Related Strains

All

By Allele

By Gene

By Collection

All Related Strains