C57BL/6J-Gabbr1<sup>em1Rah</sup>/J

Additional Use Restrictions Apply

Stock No: 030858 | rho1 (T6'Y) knock-in

Coisogenic, Endonuclease-Mediated Mutation

Overview

Also Known As: rho1 (T6'Y) knock-in

This CRISPR/Cas9 generated mutation of the Gabbr1 gene carries the T298Y amino acid substitution that alters the ethanol inhibitory site in the second transmembrane helix of the rho1 subunit but retains GABA receptor function. These mice may be suitable for use in studies of ethanol inhibition on the function of the GABA receptor and alcohol dependence.

Genetic overview

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gabbr1&lt;sup&gt;em1Rah&lt;/sup&gt;</td>
<td></td>
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<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
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</thead>
<tbody>
<tr>
<td>Endonuclease-mediated (Not Applicable)</td>
<td>Gabbr1</td>
<td>gamma-aminobutyric acid (GABA) C receptor, subunit rho 1</td>
</tr>
</tbody>
</table>

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