B6.129(Cg)-Gria2^{tm2kl}/J

Additional Use Restrictions Apply

Stock No: 024419

Congenic, Targeted Mutation

Overview

A K882A mutation was introduced to GluA2/Gria2 to prevent PKC-mediated phosphorylation at serine 880 (S880). This eliminates cerebellar long-term depression (LTD), reported to be critical for certain types of motor learning.

Genetic overview

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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</thead>
<tbody>
<tr>
<td>Gria2^{tm2kl}</td>
<td></td>
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<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Targeted (Not Specified)</td>
<td>Gria2</td>
<td>glutamate receptor, ionotropic, AMPA2 (alpha 2)</td>
</tr>
</tbody>
</table>

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