B6.Cg-Tg(Camk2a-cre)T29-1Stl/J

Additional Use Restrictions Apply

Stock No: 005359 | T29-1

Congenic, Transgenic

Overview

Also Known As: T29-1

This strain is commonly known as T29-1. CaMKIIalpha-cre T29-1 transgenic mice have the mouse calcium/calmodulin-dependent protein kinase II alpha (Camk2a) promoter driving Cre recombinase expression in the forebrain, specifically to the CA1 pyramidal cell layer in the hippocampus. Homozygous CaMKIIalpha-cre T129-1 mice are viable and fertile. This strain is useful in examining synaptic plasticity and Long Term Potentiation (LTP) in hippocampal networks.

Genetic overview

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<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<td>N10 x N3F4</td>
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Tg(Camk2a-cre)T29-1Stl

Allele Type
Transgenic (Recombinase-expressing)

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