B6.129S6(FVB)-Kdm5a<sup>tm1.Kael</sup>/J

Additional Use Restrictions Apply

Stock No: 008571

Congenic, Targeted Mutation

Overview

Cells from these Kdm5a (lysine (K)-specific demethylase 5A; also called RBP2, retinoblastoma binding protein 2) targeted mutation mice display enhanced transcription of certain cytokine genes which are associated with increased histone H3 lysine 4 (H3K4) trimethylation. Homozygous mice on this C57BL/6 background die right after birth while heterozygotes are viable, fertile, normal in size and do not display any gross physical or behavioral abnormalities. This strain may be useful in mechanistic studies of transcriptional regulation.

Genetic overview

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tbody>
<tr>
<td>Kdm5a&lt;sup&gt;tm1.Kael&lt;/sup&gt;</td>
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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>Kdm5a</td>
<td>lysine (K)-specific demethylase 5A</td>
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</table>

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