STOCK Slc4a4
tm1esp/Mmjax

MMRRC Stock No: 34263–JAX

Targeted Mutation

Overview

These Slc4a4 (or Nbc1) knockout mice die between 5 and 25 days of age. Mice exhibit severe metabolic and respiratory acidosis, growth retardation, reduced plasma Na+, hyperaldosteronism, splenomegaly, abnormal dentition, intestinal obstructions, and impaired Intracellular pH (pHi) regulation. These mice may be useful for studying pH homeostasis, bicarbonate absorption in the kidney, and intestinal and colonic anion secretion.

Genetic overview

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<th>Genetic Background</th>
<th>Generation</th>
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| Slc4a4
tm1esp |

**Allele Type**
- Targeted (Null/Knockout)

**Gene Symbol**
- Slc4a4

**Gene Name**
- solute carrier family 4 (anion exchanger), member 4

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