CAST;B6-Gars<sup>Nmt249</sup>/Rwb

Stock No: 017540 | Gars<sup>P278KY</sup>

- Spontaneous Mutation

**Overview**

**Also Known As: Gars<sup>P278KY</sup>**

CAST;B6-Gars<sup>Nmt249</sup>/JRwb mice have a severe axonal neuropathy of both sensory and motor axons. Mutant mice have abnormal neuromuscular junction morphology and impaired transmission, reduced nerve conduction velocities, and a loss of large-diameter peripheral axons, without defects in myelination. These mice may be useful in studies of inherited Charcot-Marie-Tooth peripheral neuropathies, type 2D (CMT2D).

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tr>
<td><strong>Gars</strong>&lt;sup&gt;Nmt249&lt;/sup&gt;</td>
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**Allele Type**
Spontaneous

**Gene Symbol**
Gars

**Gene Name**
glycyl-tRNA synthetase

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