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Preparation and Administration of Systemic 4-AP

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ABSTRACT

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Protocol status: Working
We use this protocol and it's working

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1

4-Aminopyridine was obtained from Sigma-Aldrich (Cat #A78403), and a stock solution was prepared in saline. Mice (8 weeks old) were given intraperitoneal injections of soluble 4-AP at a low dose of 2 mg/Kg or equivalent saline.

- 2 Animals were monitored every 20 min and presented no sign of convulsive seizure behavior. After 3 hrs, animals were anesthetized with isoflurane (VetOne Cat#502017), followed by cervical dislocation. Brains were rapidly removed and drop-fixed in 4% PFA solution for immunohistochemistry or placed on ice for biochemical assays.