

[Mouse Models](#)[EA1](#)[Publication](#)

# Kcna<sup>-/-</sup> mice

## IDENTIFICATION

Causal gene(s)	KCNA1
Repeat size or mutation	Homozygous Kcna1 knockout
Animal model	Mouse

## MODEL DETAILS

Mouse strain / background	Different background strains
Type of model	Knockout

## PHENOTYPE

Hallmark features	Episodic eye blinking, twitching of vibrissae, forelimb paddling, arrested motion, hyperstartle response, spontaneous seizures, motor seizures, increased mortality
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## SOURCE & PUBLICATIONS

Originating lab / institution	University of Washington
Links to publications or public resources	Deletion of the K(V)1.1 potassium channel causes epilepsy in mice - PubMed <a href="https://pubmed.ncbi.nlm.nih.gov/9581771/">https://pubmed.ncbi.nlm.nih.gov/9581771/</a>