Mouse Models EA1 Publication

Kcna-/- 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 vibrissiae, forelimb paddling, arrested motion, hyperstartle response, spontaneous seizures, motor seizures, increased mortality

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 https://pubmed.ncbi.nlm.nih.gov/9581771/