Mouse Models SCA37 Publication

Dab1 null mice

IDENTIFICATION

Causal gene(s)	DAB1
Repeat size or mutation	Dab1 knock-out
Animal model	Mouse

MODEL DETAILS

Mouse strain / background	C57Bl6 and 129Sv
Type of model	Knockout

TRANSGENIC CONSTRUCT

Transgenic construct: sequence type	Targeted disruption of the first 47 codons of the protein-interacting (PI/PTB) domain
Transgenic construct: details	Knockout targeting vector contained neomycin phosphotransferase in place of the genomic sequences that contained the first exon of the PI/PTB domain
Promoter: gene	PGK

PHENOTYPE

Hallmark features	Ataxia, distrubance of neuronal layering in cerebral cortex, hippocampus and cerebellum

SOURCE & PUBLICATIONS

Originating lab / institution	Fred Hutchinson Cancer Research Center
Links to publications or public resources	Neuronal position in the developing brain is regulated by mouse disabled-1 - PubMed https://pubmed.ncbi.nlm.nih.gov/9338785/