Mouse Models SCA37 Publication

Yotari mice

IDENTIFICATION

Research Resource Identifier (RRID)	rridtest
Causal gene(s)	DAB1
Repeat size or mutation	Spontaneous autosomal recessive mutation in Dab1
Animal model	Mouse

MODEL DETAILS

Mouse strain / background	129/SvJ and C57BL/6J Jcl

TRANSGENIC CONSTRUCT

Transgenic construct: details	a spontaneous replacement of genomic nucleotides with a long interspersed nuclear element (L1) fragment in the Dab1 gene.

PHENOTYPE

Hallmark features	Unstable gait, tremor, premature death, hypoplastic cerebellum without foliation, distorted laminar structure of cerebral cortex and hippocampal formation

SOURCE & PUBLICATIONS

Originating lab / institution	University of Tokyo
Links to publications or public resources	A novel neurological mutant mouse, yotari, which exhibits reeler-like phenotype but expresses CR-50 antigen/reelin - PubMed https://pubmed.ncbi.nlm.nih.gov/9436647/ The disabled 1 gene is disrupted by a replacement with L1 fragment in yotari mice - PubMed https://pubmed.ncbi.nlm.nih.gov/10648895/

CONTACT

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