Mouse Models SCAR8/ARCA1 Publication

Nes1g FLAG/FLAG

IDENTIFICATION

Causal gene(s)	SYNE1
Repeat size or mutation	KASH reporter' mouse model
Animal model	Mouse

MODEL DETAILS

Mouse strain / background	C57/BL6
Type of model	CRISPR/Cas9-induced FLAG C-terminal tag

TRANSGENIC CONSTRUCT

Transgenic construct: details	3XFLAG tag followed by a STOP codon (3XFLAG/STOP) was inserted within exon-1 both upstream and in frame with the coding sequence of the KASH domain of Syne1. Here, the KASH domain is replaced by 3xFLAG in Syne1 transcripts containing exon-2

SOURCE & PUBLICATIONS

Originating lab / institution	Washington University School of Medicine
Links to publications or public resources	The KASH-containing isoform of Nesprin1 giant associates with ciliary rootlets of ependymal cells - PubMed https://pubmed.ncbi.nlm.nih.gov/29630990/