

R26-CAG-Cas9

系統名	C57BL/6Smoc- <i>Gt(ROSA)26Sor</i> ^{tm1(CAG-Cas9)Smoc}
SMOC番号	NM-KI-00120
維持形態	Repository Live

遺伝子の概要

Gene Symbol Gt(ROSA)26Sor	Synonyms	R26, ROSA26, AV258896, Gtrg eo26, Gtrosa26, Thumpd3as1
	NCBI ID	14910
	MGI ID	104735
	Ensembl ID	ENSMUSG00000086429

説明

These mice were established by crossing R26-(CAG-LSL-Cas9) and EIIA mice together.

応用分野: gene editing, gene modification

*Literature published using this strain should indicate: R26-CAG-Cas9 mice (Cat. NO. NM-KI-00120) were purchased from Shanghai Model Organisms Center, Inc..

表現型データ

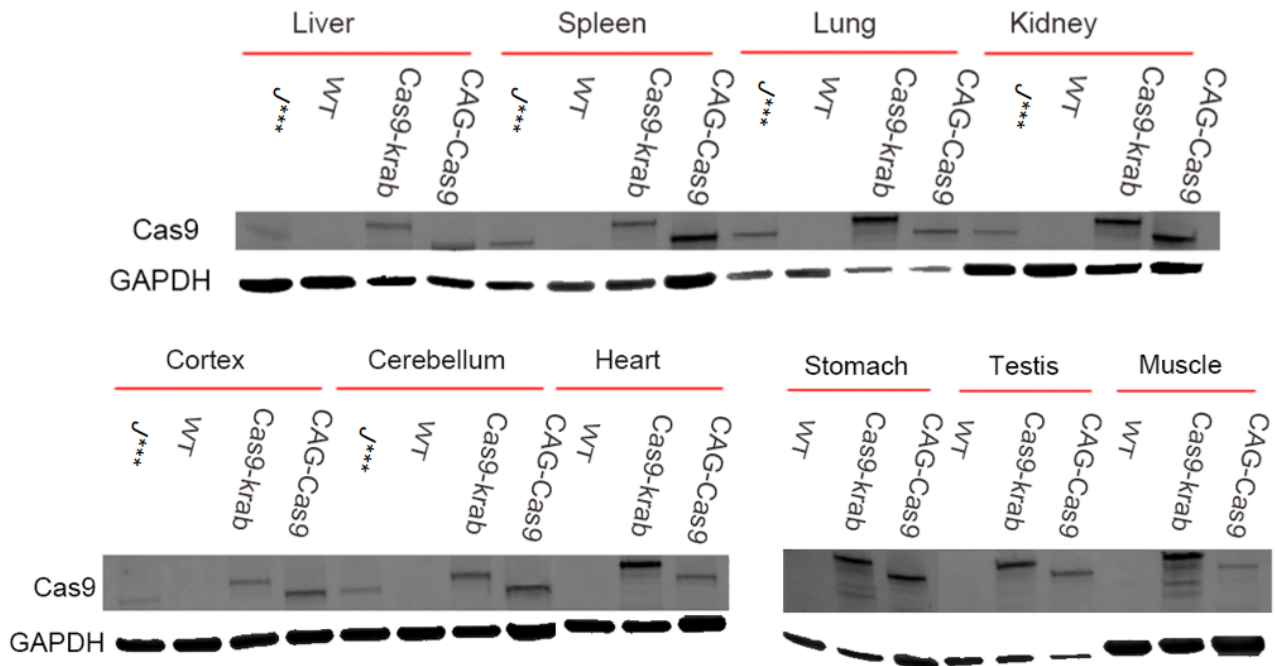


Fig1. Analysis of Cas9 expression profile by Western Blot. The CAG-Cas9 KI mice express Cas9 in heart, liver, spleen, lung, kidney, stomach, cortex, cerebellum, testis and muscle.

J***: Cas9 KI mice from other peers

CAG-Cas9: R26-CAG-Cas9 mice (NM-KI-00120) obtained by R26-CAG-LNL-Cas9(NM-KI-00038) crossed with Ella-Cre

Cas9-krab: R26-CAG-3XKRAB-dCas9-IRES-EGFP (NM-KI-18007)



Fig2. Detection of CAS9 expression in R26-CAG-CAS9 mice by WB.

Abbr. M, marker; WT, wild type; HO, homozygous; WAT, white adipose tissue; BAT, brown adipose tissue.

Note. 60 µg of total protein were loaded for BAT and skeletal muscle, and 20 µg for other tissues.

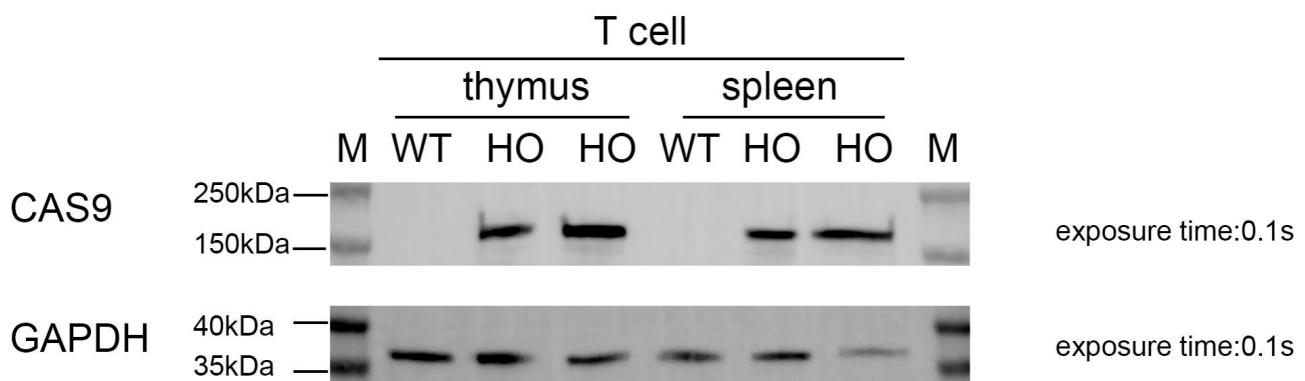


Fig.3 Detection of CAS9 expression in T cells in R26-CAG-CAS9 mice by WB.

Abbr. M, marker; WT, wild type; HO, homozygous.
