

Lrat-2A-Cre

品系全名	C57BL/6Smoc- <i>Lrat</i> ^{em1(2A-Cre)Smoc}
目录号	NM-KI-190097
品系状态	活体

基因信息

基因名 Lrat	基因曾用名	AI449251; 1300010A18Rik
	NCBI ID	79235
	MGI ID	1891259
	Ensembl ID	ENSMUSG00000028003
	人类同源基因	LRAT

品系描述

A 2A-Cre expression cassette was knocked into the Lrat gene stop codon site.

应用领域: Cre recombinase tool

*使用本品系发表的文献需注明: Lrat-2A-Cre mice (Cat. NO. NM-KI-190097) were purchased from Shanghai Model Organisms Center, Inc..

验证数据

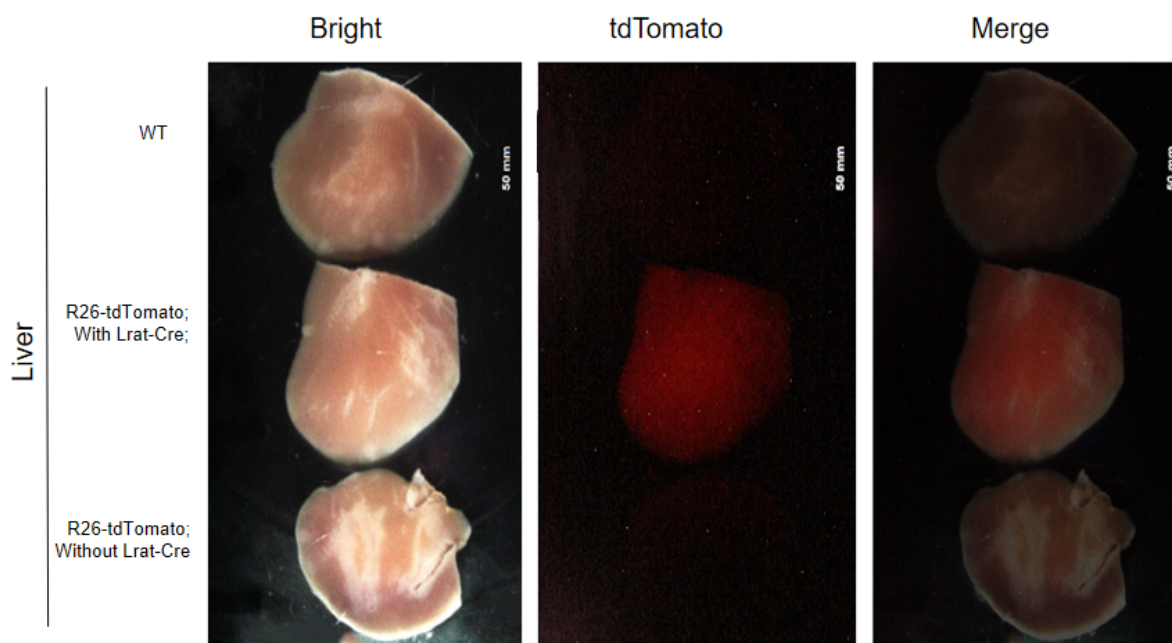


Fig1. Expression Pattern of tdTomato in LratCre/+ ; Rosa26tdTomato/+ mice.

Cre mediated recombination in liver nonparenchymal cells of LratCre/+ ; Rosa26tdTomato/+ mice. This strain represents an effective tool for generating liver nonparenchymal cells specific targeted mutants.

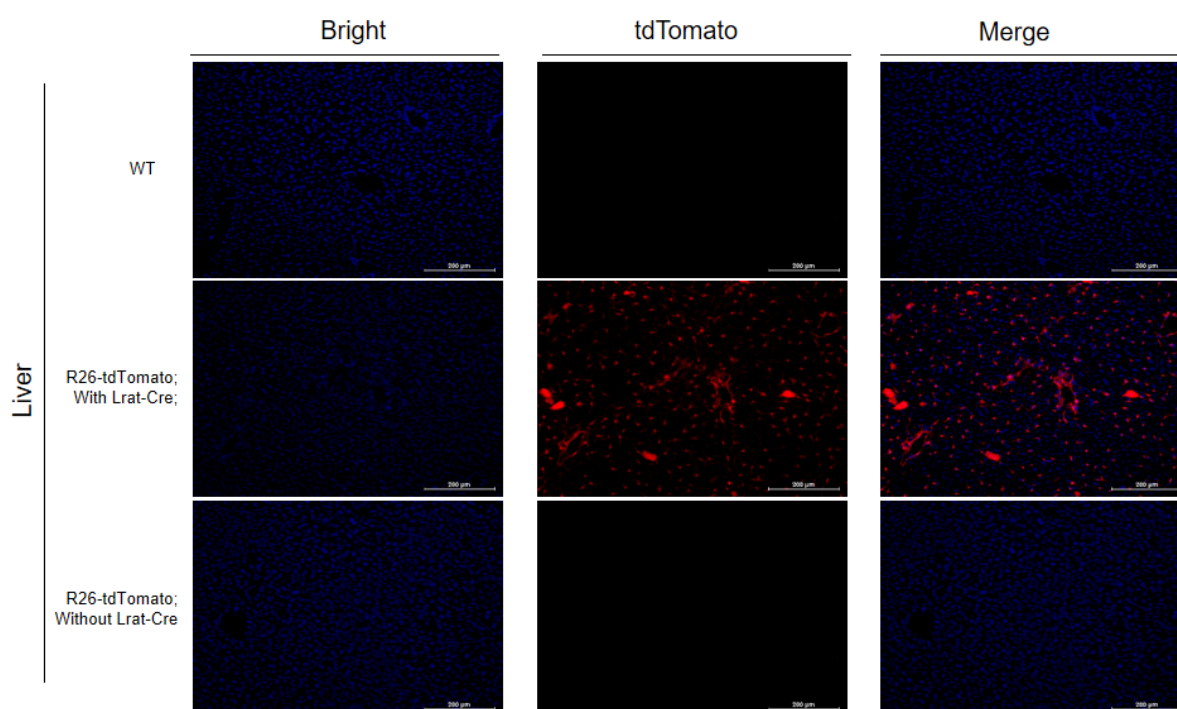


Fig2. Validation of tdTomato expression by fluorescence assay.

The liver nonparenchymal cells of Lrat-Cre mice were detected by fluorescence.

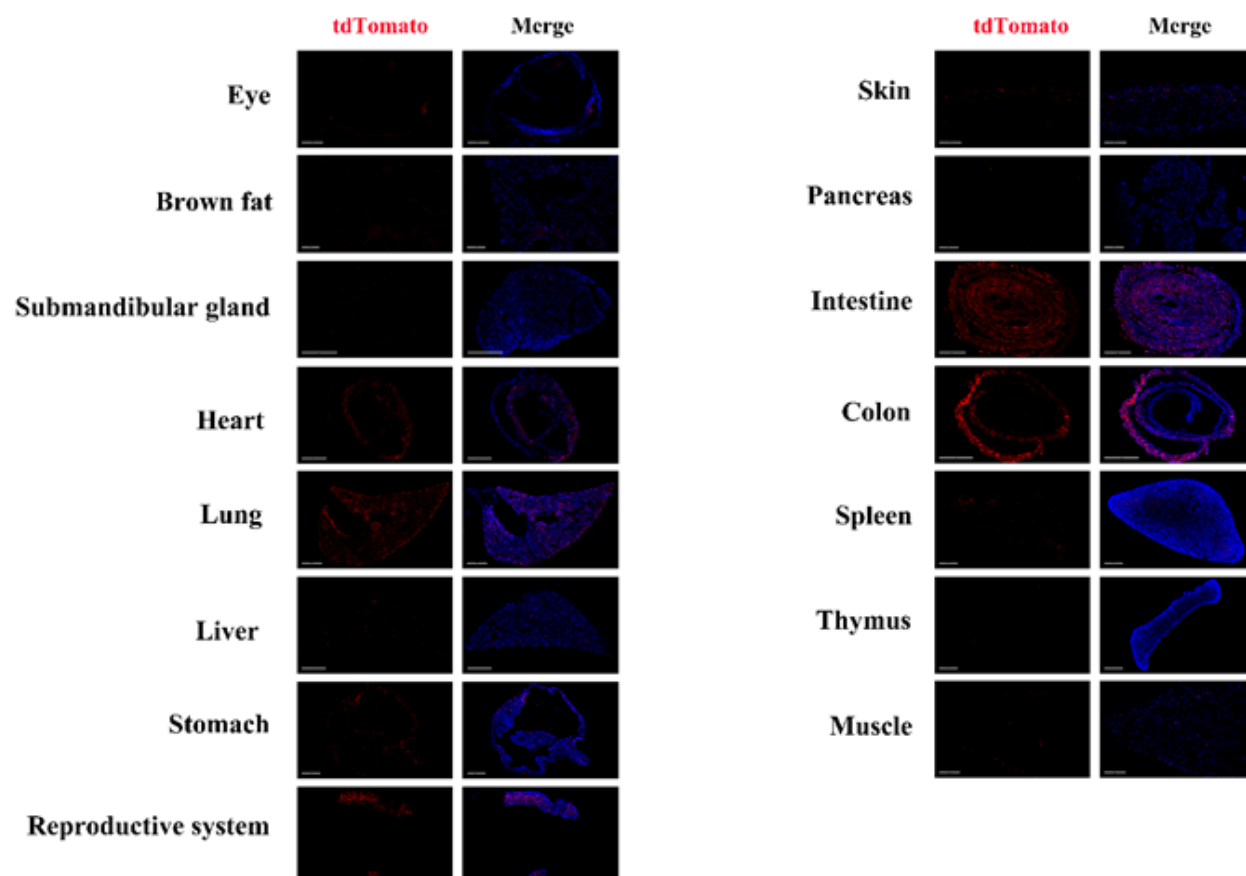


Fig. 3 Detection of tdTomato(red) in various tissues of $Lrat^{Cre/+}; Rosa26^{tdTomato/+}$ mice. Cre-mediated recombination can be detected in some cells of the heart, liver, lung, stomach, uterus, colon, intestine, muscle and spleen. Tdtomato can not be detected in the retina, brown fat, submandibular gland or thymus. (For more detailed information please contact our technical advisor.)

发表文献