

# Trpv1-IRES-Cre

系統名	C57BL/6Smoc- <i>Trpv1</i> <sup>em1(Myc-IRES-Cre)Smoc</sup>
SMOC番号	NM-KI-200139
維持形態	Repository Live

## 遺伝子の概要

Gene Symbol Trpv1	Synonyms	Vr1; VR-1; OTRPC1; TRPV1beta; TRPV1alpha
	NCBI ID	<a href="#">193034</a>
	MGI ID	<a href="#">1341787</a>
	Ensembl ID	<a href="#">ENSMUSG00000005952</a>
	Human Ortholog	TRPV1

## 説明

A Myc-IRES-Cre expression cassette was knocked into the *Trpv1* gene stop codon site. *Trpv1* is known as transient receptor potential cation channel, subfamily V, member 1. When crossed with a strain carrying a gene flanked by loxP sites, the flanked gene will be removed in cells expressing cre. This strain may be useful for studying the pain caused by heat and capsaicin.

**応用分野:** Cre recombinase tool

\*Literature published using this strain should indicate: *Trpv1*-IRES-Cre mice (Cat. NO. NM-KI-200139) were purchased from Shanghai Model Organisms Center, Inc..

## 表現型データ

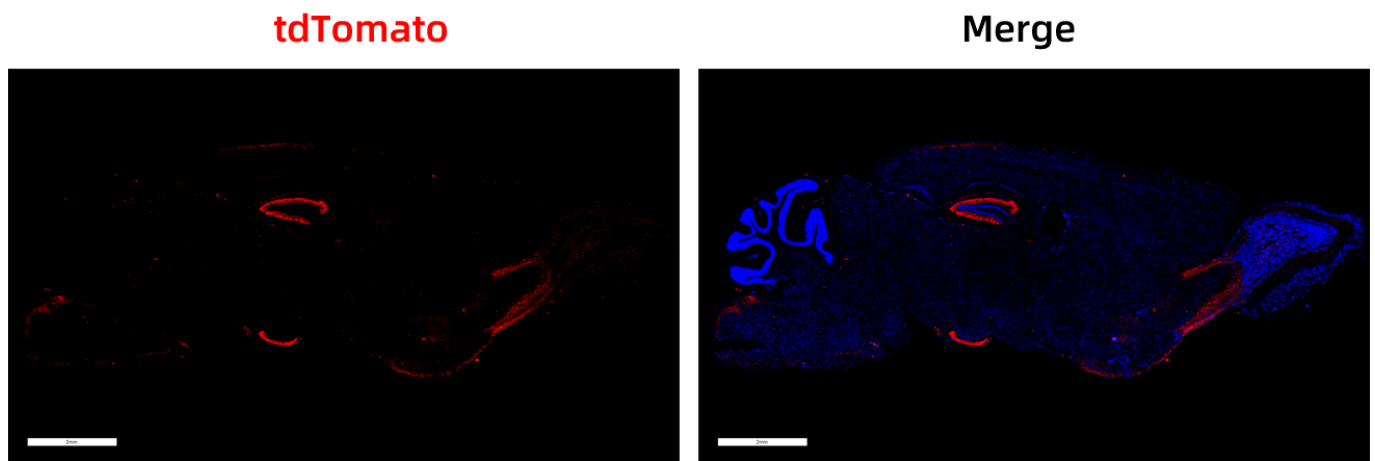


Fig. 1 Cre-mediated recombination in the brain of  $Trpv1^{Cre/+}; Rosa26^{tdTomato/+}$  mouse. TdTomato(red) expression can be detected in the dentate gyrus of  $Trpv1^{Cre/+}; Rosa26^{tdTomato/+}$  mouse.

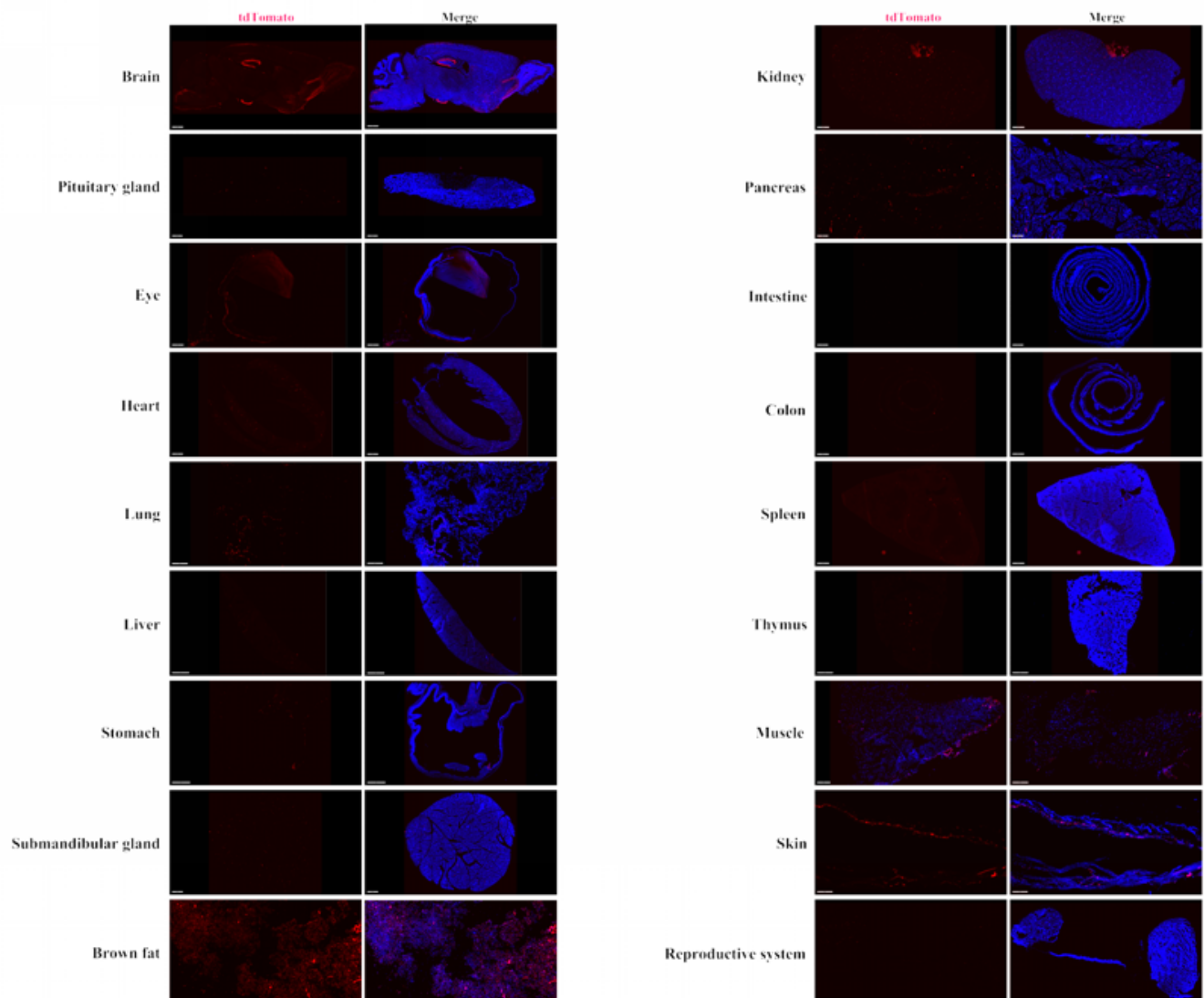


Fig. 2 Detection of tdTomato(red) in various tissues of  $Trpv1^{Cre/+}; Rosa26^{tdTomato/+}$  mice. Tdtomato is expressed in the brown fat, pancreas, kidney, retina, brain, pituitary gland, heart, lung, liver, stomach, salivary gland and skin. Tdtomato expression can also be observed in individual cells of the testis, epididymis, muscle, spleen, thymus, intestine and colon. (For more detailed

information please contact our technical advisor.)

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