

# Axin2-CreERT2

系統名	C57BL/6Smoc- <i>Axin2</i> <sup>em1(CreERT2-pA)Smoc</sup>
SMOC番号	NM-KI-200109
維持形態	Developing

## 遺伝子の概要

Gene Symbol Axin2	Synonyms	Axi1; Axil; Conductin
	NCBI ID	<a href="#">12006</a>
	MGI ID	<a href="#">1270862</a>
	Ensembl ID	<a href="#">ENSMUSG00000000142</a>
	Human Ortholog	AXIN2

## 説明

A CreERT2-pA expression cassette was knocked into the Axin2 gene start codon site. As Axin2 is an intracellular protein, it is essential for identifying a surface marker for stem cell purification. When these Axin2-CreERT2 mice are bred with mice containing a loxP-flanked sequence of interest, tamoxifen-inducible, Cre-mediated recombination will result in deletion of the flanked sequences in Axin2 expressing cells.

**応用分野:** Cre recombinase tool; Signaling pathway; Stem cells

\*Literature published using this strain should indicate: Axin2-CreERT2 mice (Cat. NO. NM-KI-200109) were purchased from Shanghai Model Organisms Center, Inc..

## 表現型データ

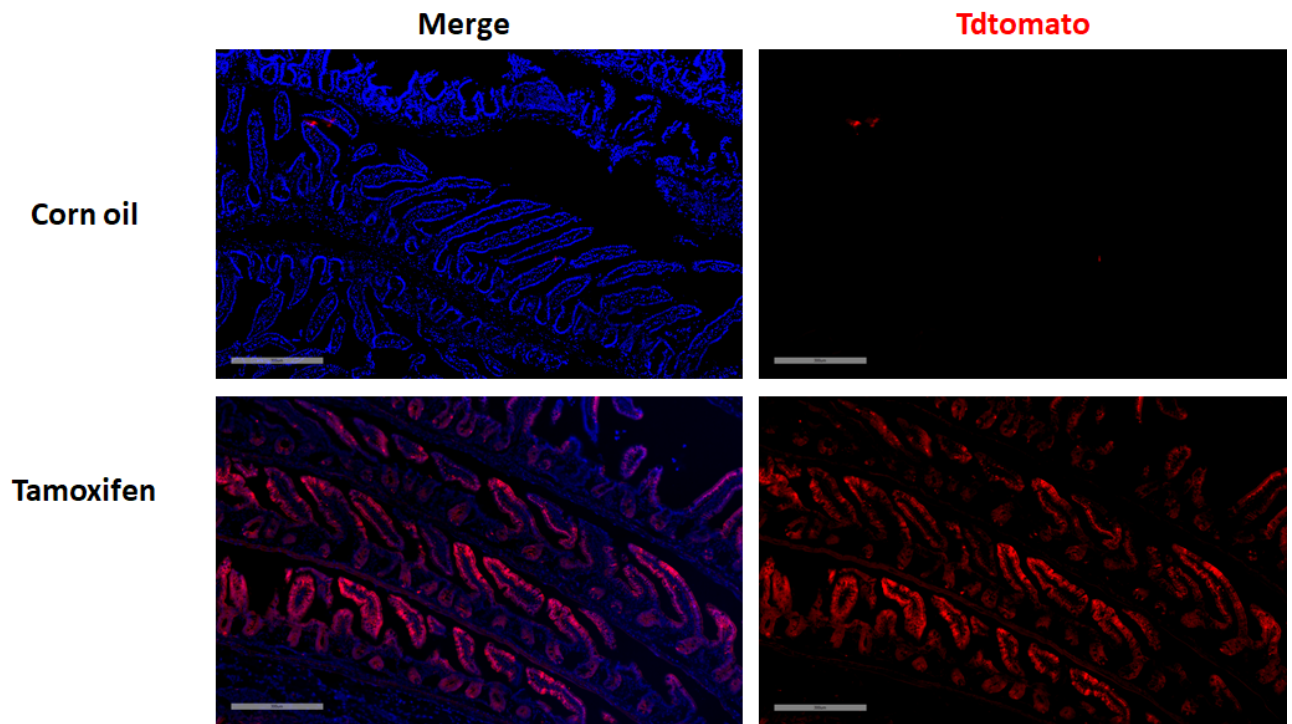


Fig. 1 CreERT2-mediated recombination in the villi and crypts of small Intestine of Prom1-CreERT2; Rosa26-tdTomato mice after tamoxifen treatment.

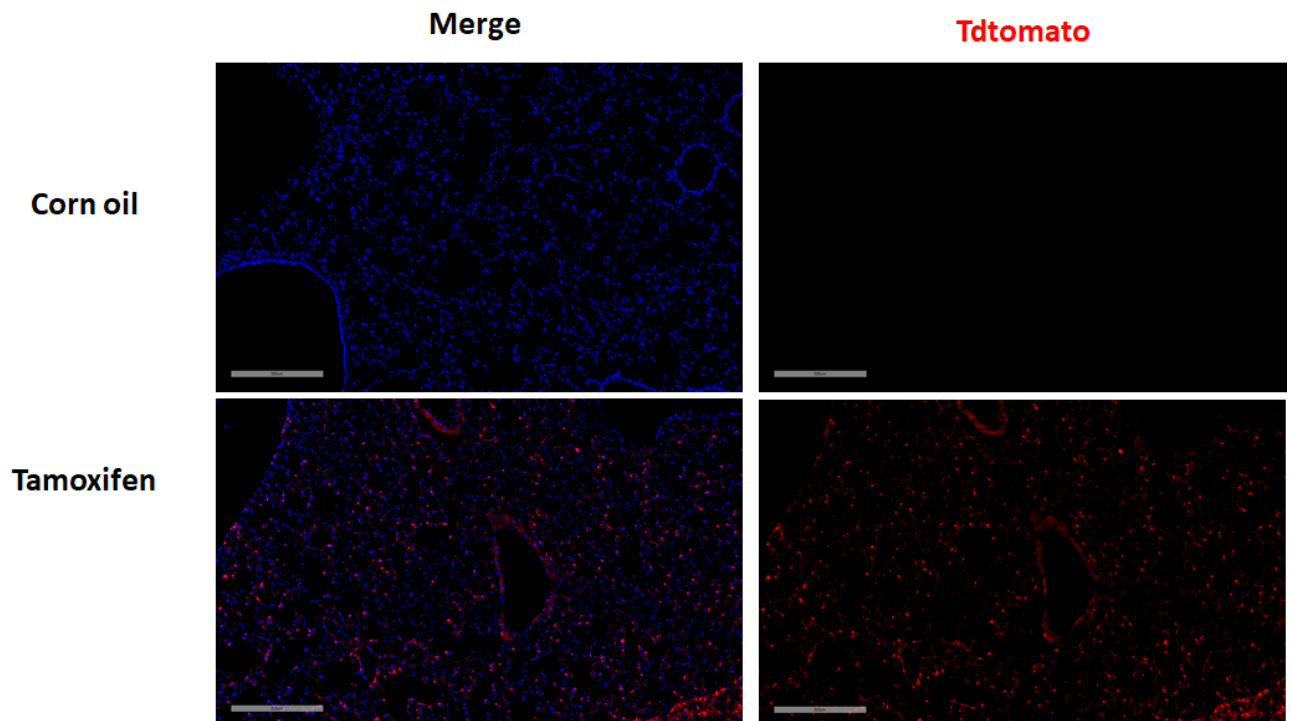


Fig. 2 CreERT2-mediated recombination in the alveoli of Axin2-CreERT2; Rosa26-tdTomato mice after tamoxifen treatment.

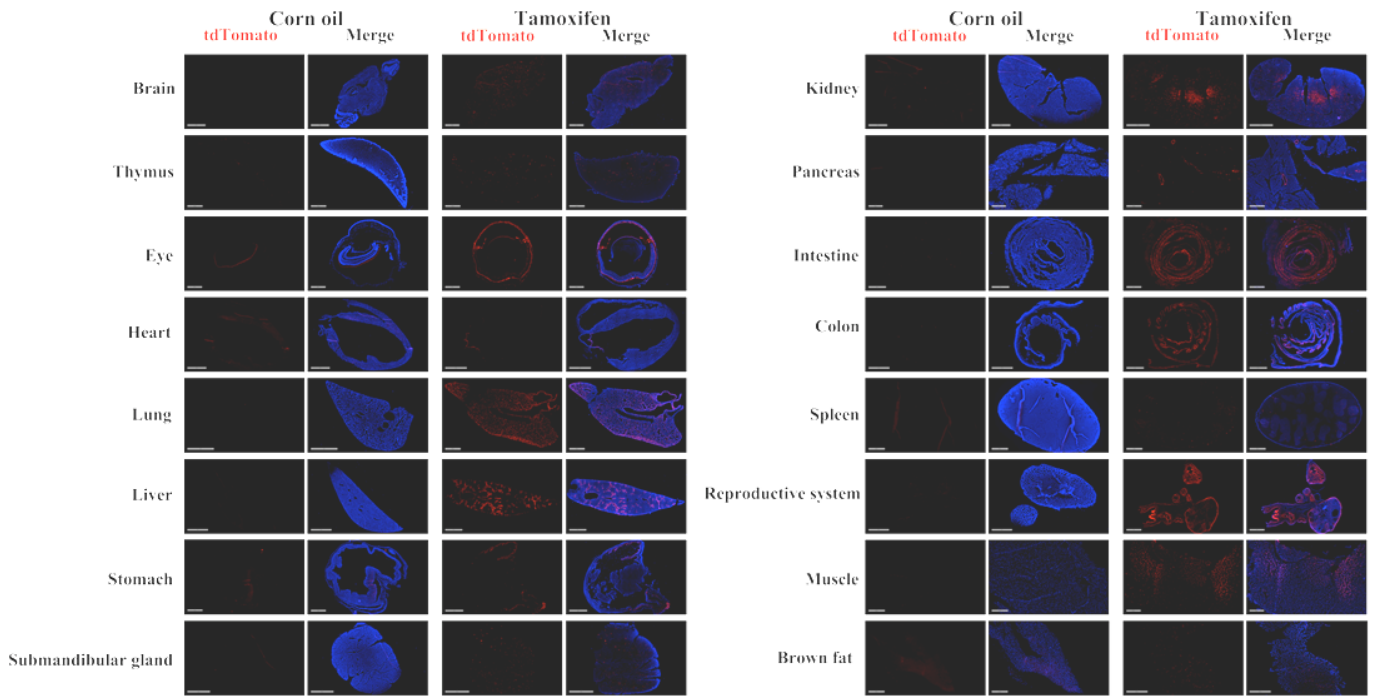


Fig.3 Tdtomato was also abundantly expressed in brain, large intestine, small intestine, kidney, liver, lung, ovary (leaky expression), and uterus (leaky expression); expressed in brown fat, eye, heart valve, muscle, pancreas, stomach and thymus (leaky expression). There was a small amount of expression in salivary glands and spleen. (For more information please contact: 400-728-0660.)