

Nkx3-1-IRES-CreERT2

系統名	C57BL/6Smoc- <i>Nkx3-1</i> ^{em1(IRES-CreERT2)Smoc}
SMOC番号	NM-KI-200071
維持形態	Embryo cryopreservation

遺伝子の概要

Gene Symbol Nkx3-1	Synonyms	Bax; NKX3A; NKX3.1; Nkx-3.1; bagpipe
	NCBI ID	18095
	MGI ID	97352
	Ensembl ID	ENSMUSG00000022061
	Human Ortholog	NKX3-1

説明

A IRES-CreERT2 expression cassette was knocked into the Nkx3-1 gene stop codon site.

応用分野: This gene encodes a homeobox-containing transcription factor. This transcription factor functions as a negative regulator of epithelial cell growth in prostate tissue. This strain is useful in studying prostate.

*Literature published using this strain should indicate: Nkx3-1-IRES-CreERT2 mice (Cat. NO. NM-KI-200071) were purchased from Shanghai Model Organisms Center, Inc..

表現型データ

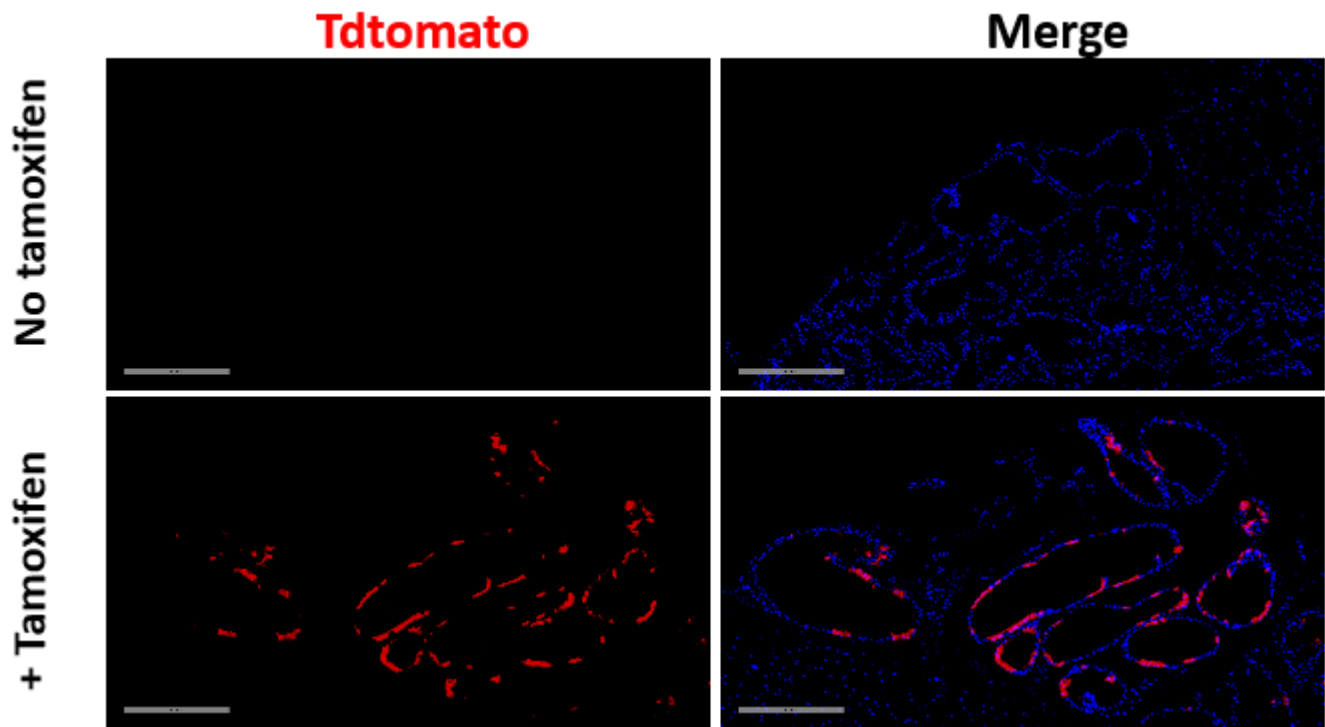


Fig. 1 CreERT2-mediated recombination in the prostate of $Nkx3-1^{CreERT2/+}; Rosa26^{tdTomato/+}$ mouse. TdTomato (red) expression can be detected in the prostate lumen cells of $Nkx3-1^{CreERT2/+}; Rosa26^{tdTomato/+}$ mouse after tamoxifen treatment.

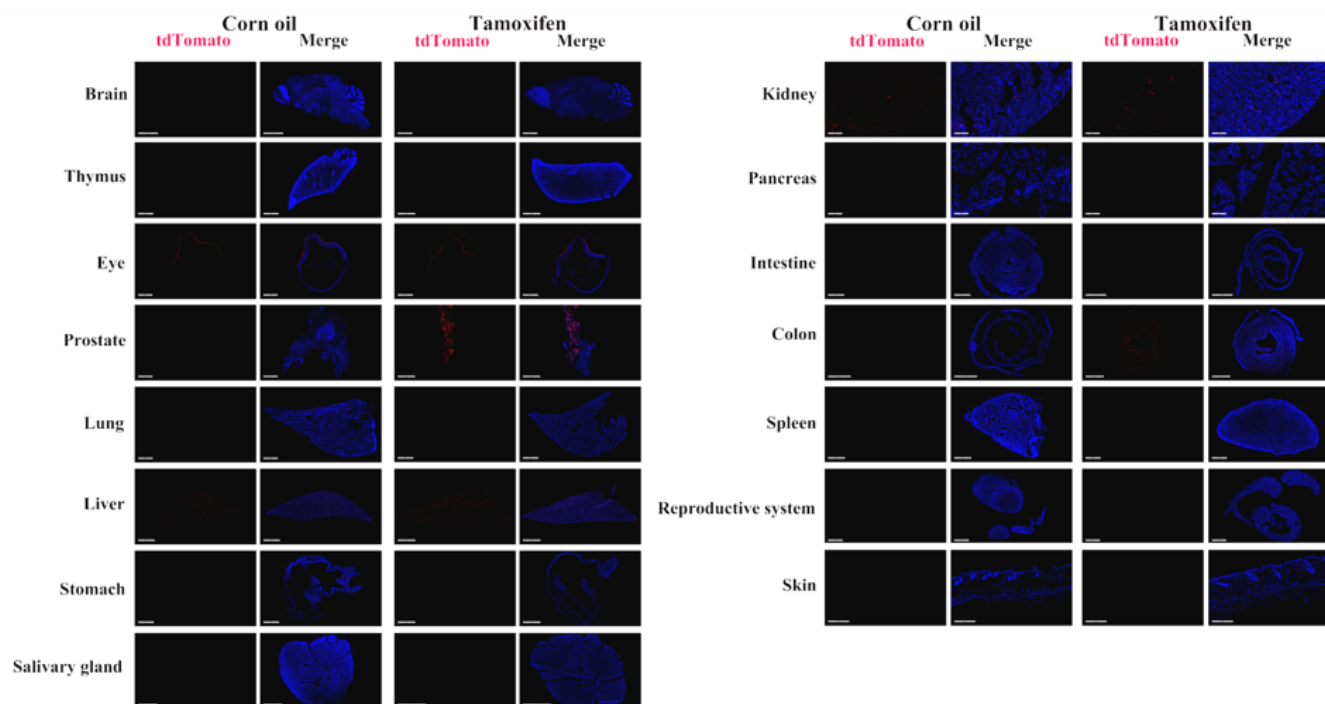


Fig. 2 Detection of tdTomato (red) in various tissues of $Nkx3-1^{CreERT2/+}; Rosa26^{tdTomato/+}$ mice after tamoxifen treatment. Tdtomato was expressed in the prostate and individual cells of kidney. TdTomato can not be detected in the brain, thymus, retina, lung, liver, stomach, salivary gland, pancreas, colon, intestine, spleen, skin, testis and epididymis. (For more detailed information please contact our technical advisor.)

