

Slco1c1-2A-CreERT2

Nomenclature	C57BL/6Smoc- <i>Slco1c1</i> ^{em1(2A-CreERT2)Smoc}
Cat. NO.	NM-KI-200262
Strain State	Repository Live

Gene Summary

Gene Symbol Slco1c1	Synonyms	Oatp2; Oatpf; OATP-F; OATP-14; Slc21a14
	NCBI ID	58807
	MGI ID	1889679
	Ensembl ID	ENSMUSG00000030235
	Human Ortholog	SLC01C1

Model Description

2A-CreERT2 expression cassette was knocked into the Slco1c1 gene stop codon site. Slco1c1 encodes a member of the organic anion transporter family. The encoded protein is a transmembrane receptor that mediates the sodium-independent uptake of thyroid hormones in brain tissues. This protein has particularly high affinity for the thyroid hormones thyroxine, tri-iodothyronine and reverse tri-iodothyronine. When Slco1c1-2A-CreERT2 mice are bred with mice containing loxP-flanked sequence, tamoxifen-inducible, Cre-mediated recombination will result in deletion of the floxed sequences in SLC01C1 positive cells.

Research Application: Ischemic infarction

*Literature published using this strain should indicate: Slco1c1-2A-CreERT2 mice (Cat. NO. NM-KI-200262) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data

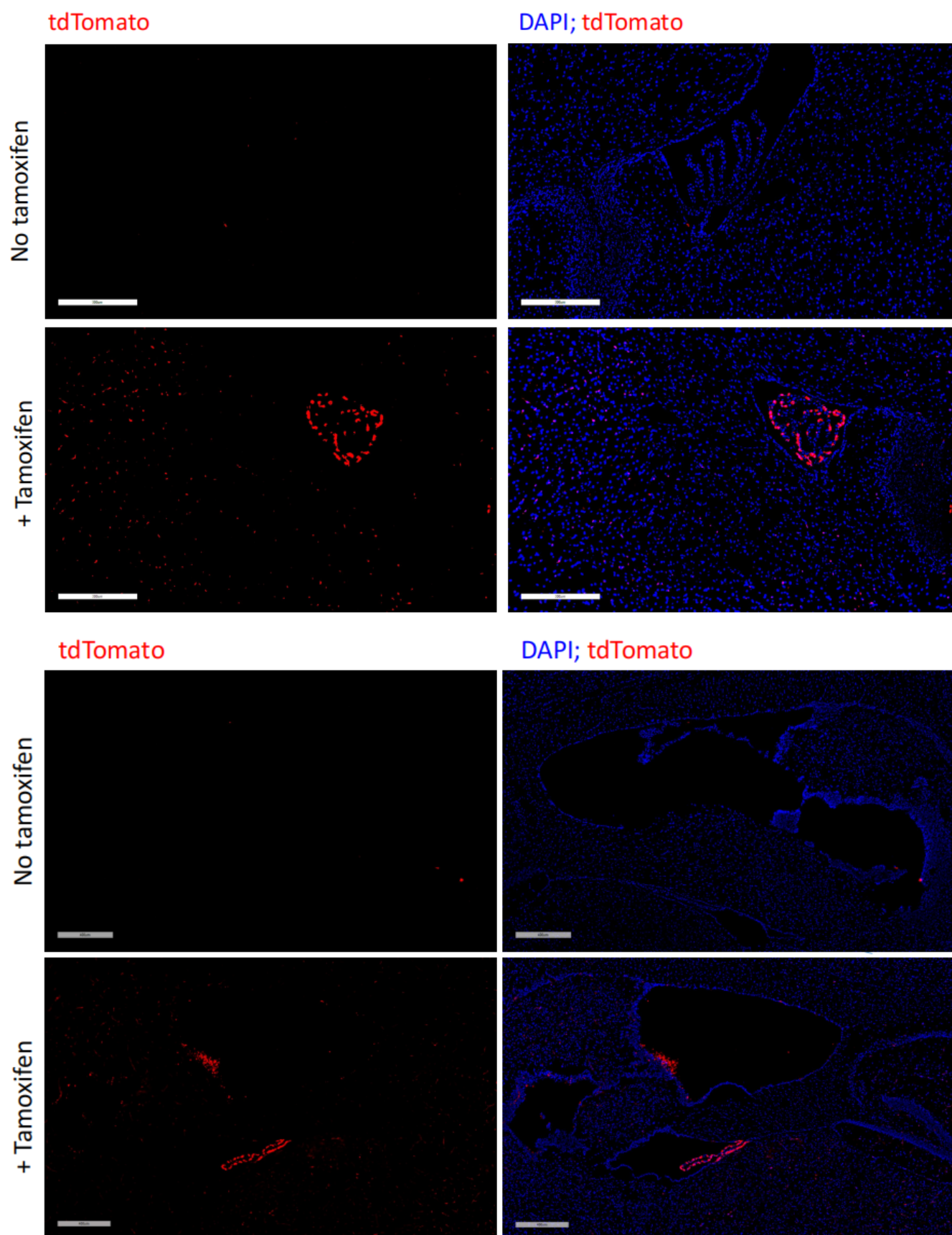
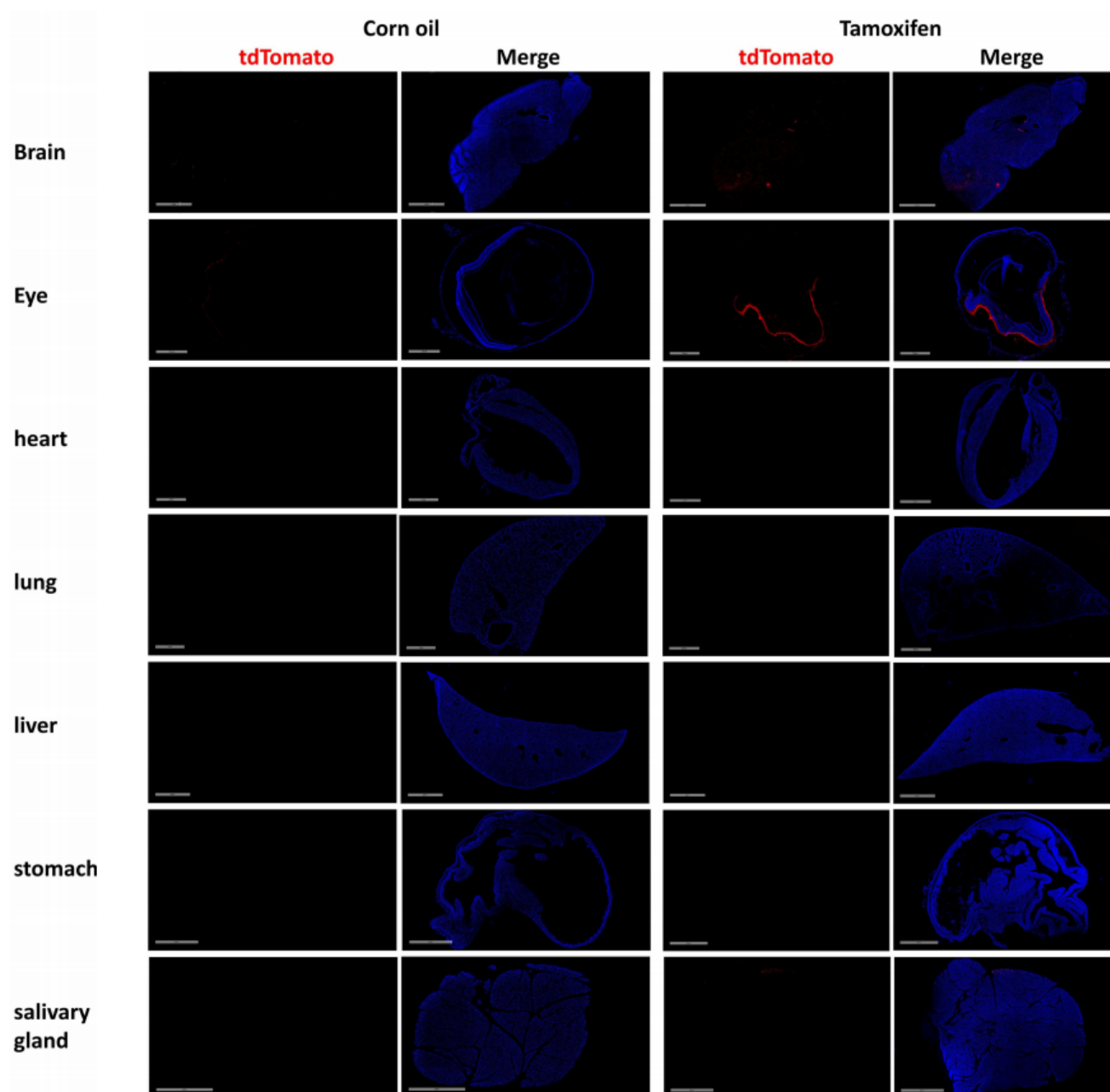


Fig. 1 CreERT2-mediated recombination in the choroid plexus of Notch1-CreERT2; Rosa26-tdTomato mice after tamoxifen treatment.



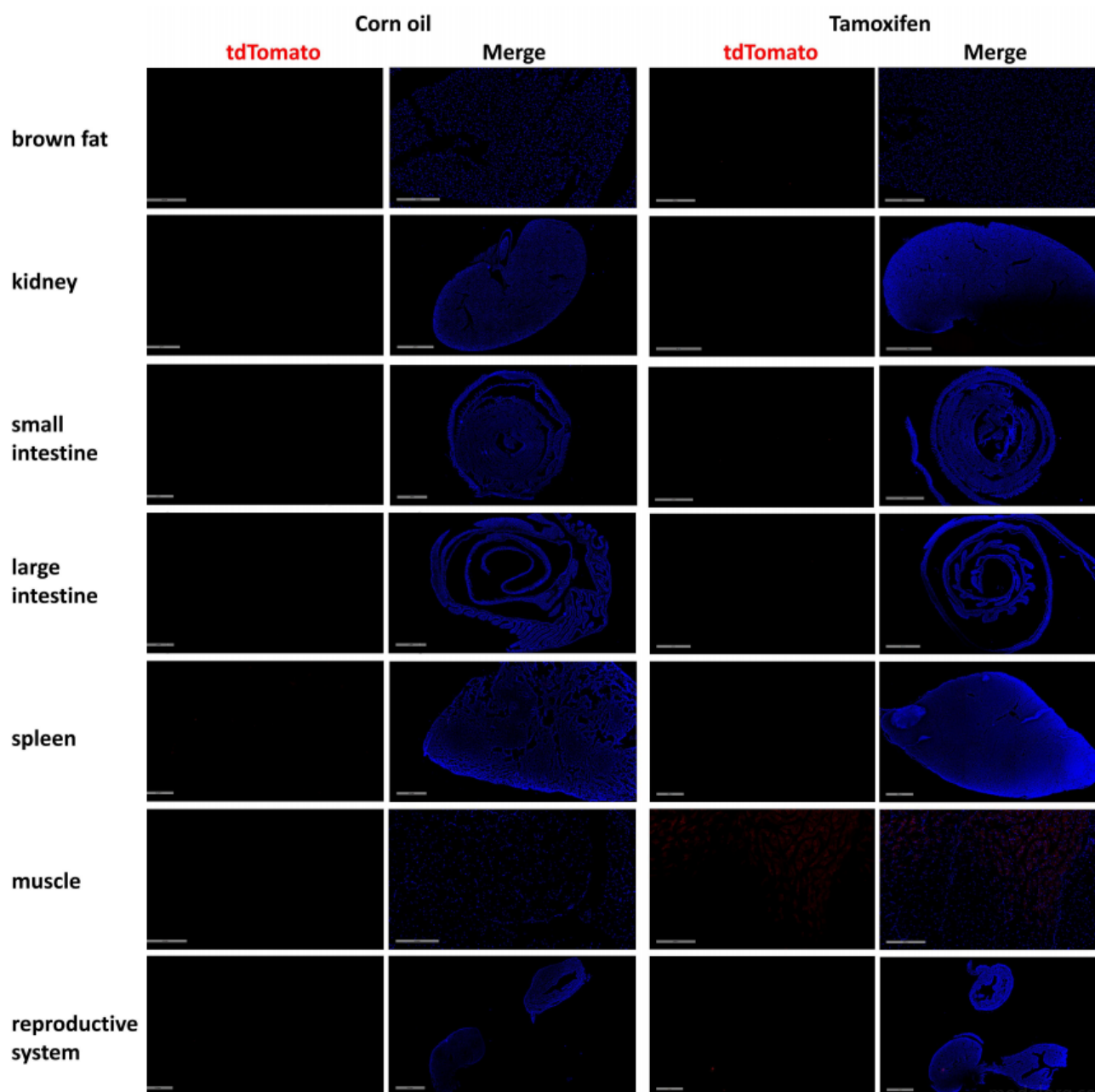


Fig. 2 Labeling was also observed in the retina, muscles, but not in pituitary, heart, lungs, stomach, submandibular gland, brown fat, kidney, pancreas, small and large intestine, spleen, skin, ovaries and uterus. (For more information please contact: 400-728-0660.)