

Cartpt-IRES-Cre

Nomenclature	C57BL/6Smoc- <i>Cartpt</i> ^{em1(IRES-iCre)Smoc}
Cat. NO.	NM-KI-200094
Strain State	Sperm cryopreservation

Gene Summary

Gene Symbol Cartpt	Synonyms	Cart
	NCBI ID	27220
	MGI ID	1351330
	Ensembl ID	ENSMUSG000000021647
	Human Ortholog	CARTPT

Model Description

A IRES-iCre expression cassette was knocked into the *Cartpt* gene stop codon site.

Research Application: Cre recombinase tool

*Literature published using this strain should indicate: *Cartpt*-IRES-Cre mice (Cat. NO. NM-KI-200094) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data

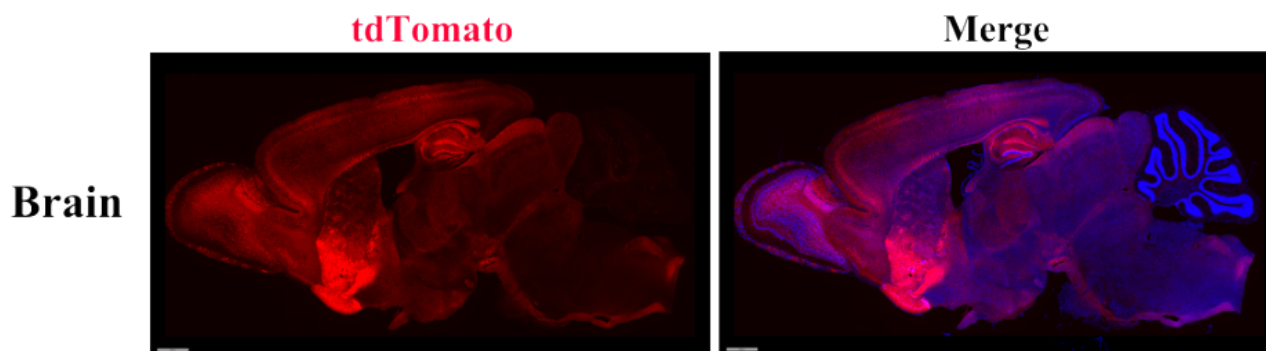


Figure 1: Cre-mediated recombination in the brain of *Cartpt*^{Cre/+}; *Rosa26*^{tdTomato/+} mouse. Detection of tdTomato (red) in the brain of *Cartpt*^{Cre/+}; *Rosa26*^{tdTomato/+} mouse.

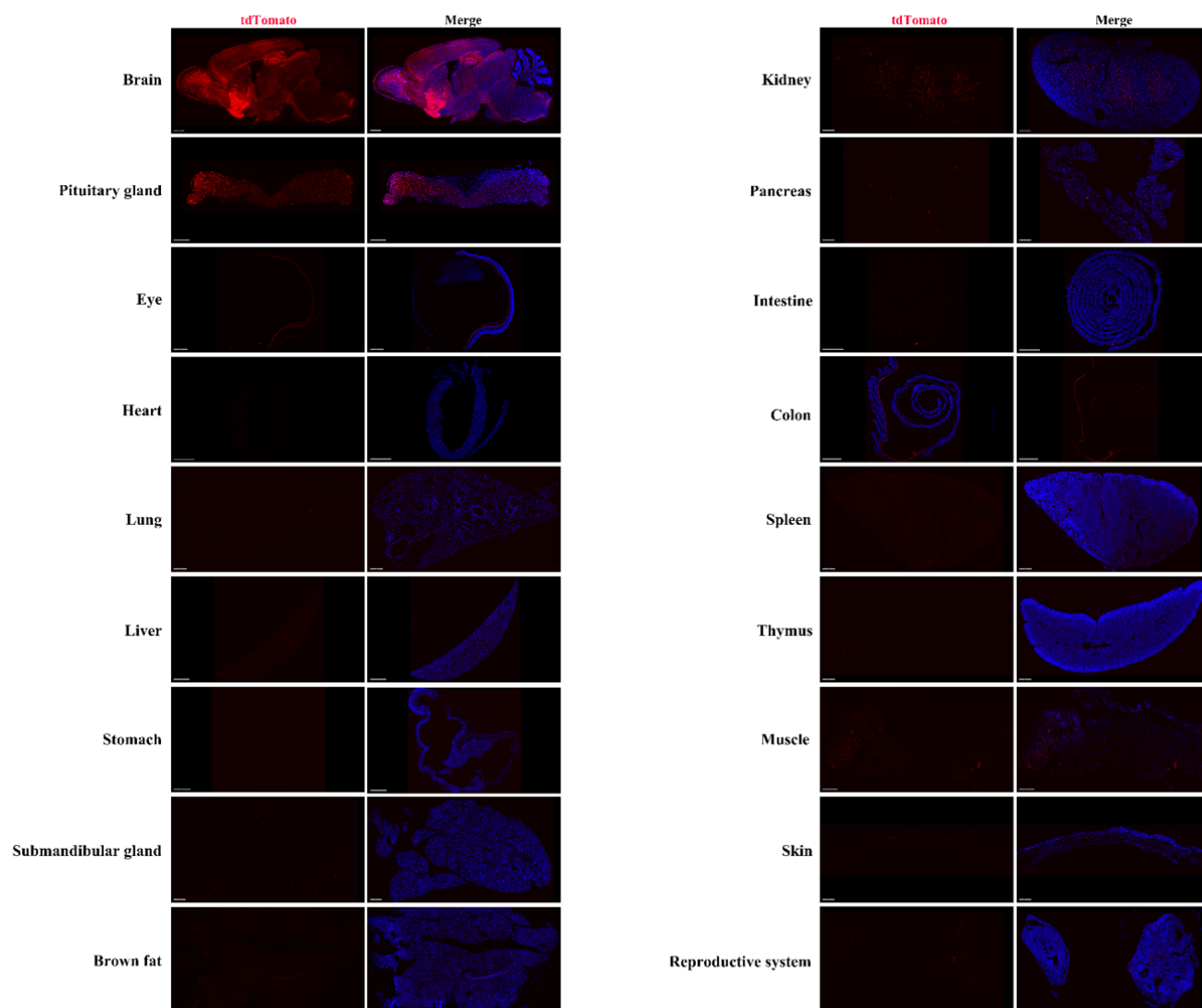


Figure 2: Detection of tdTomato (red) in various tissues of *CartptCre/+; Rosa26tdTomato/+* mice.

Publications

[Distinct reward processing by subregions of the nucleus accumbens](#)

References: Cell Reports