

Th-IRES-CreERT2

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|---------------------|---|
| Nomenclature | C57BL/6Smoc- <i>Th</i> ^{em1(IRES-creER)Smoc} |
| Cat. NO. | NM-KI-200082 |
| Strain State | Repository Live |

Gene Summary

| | | |
|-------------------|-----------------------|------------------------------------|
| Gene Symbol Th | Synonyms | - |
| | NCBI ID | 21823 |
| | MGI ID | 98735 |
| | Ensembl ID | ENSMUSG00000000214 |
| | Human Ortholog | TH |

Model Description

A IRES-creER expression cassette was knocked into the Th gene stop codon site.

Research Application: Cre recombinase tool, dopaminergic neurons in the brain

*Literature published using this strain should indicate: Th-IRES-CreERT2 mice (Cat. NO. NM-KI-200082) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data

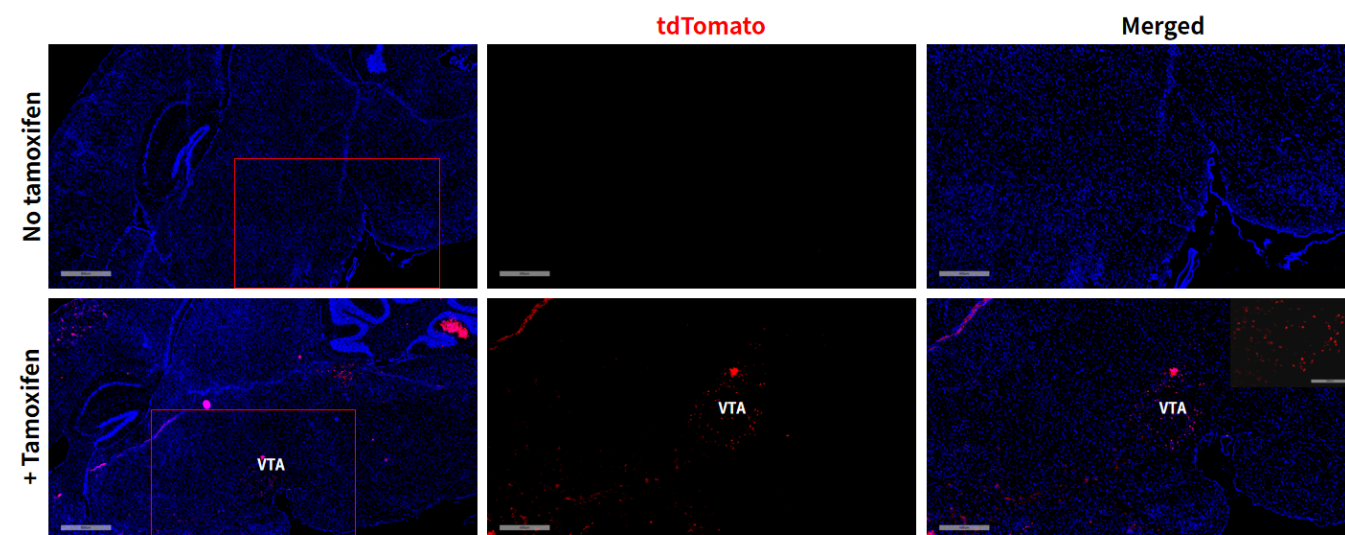


Fig1. Cre mediated recombination in brain of ThCreERT2/+;Rosa26tdTomato/+ mouse. (VTA: ventral tegmental area)

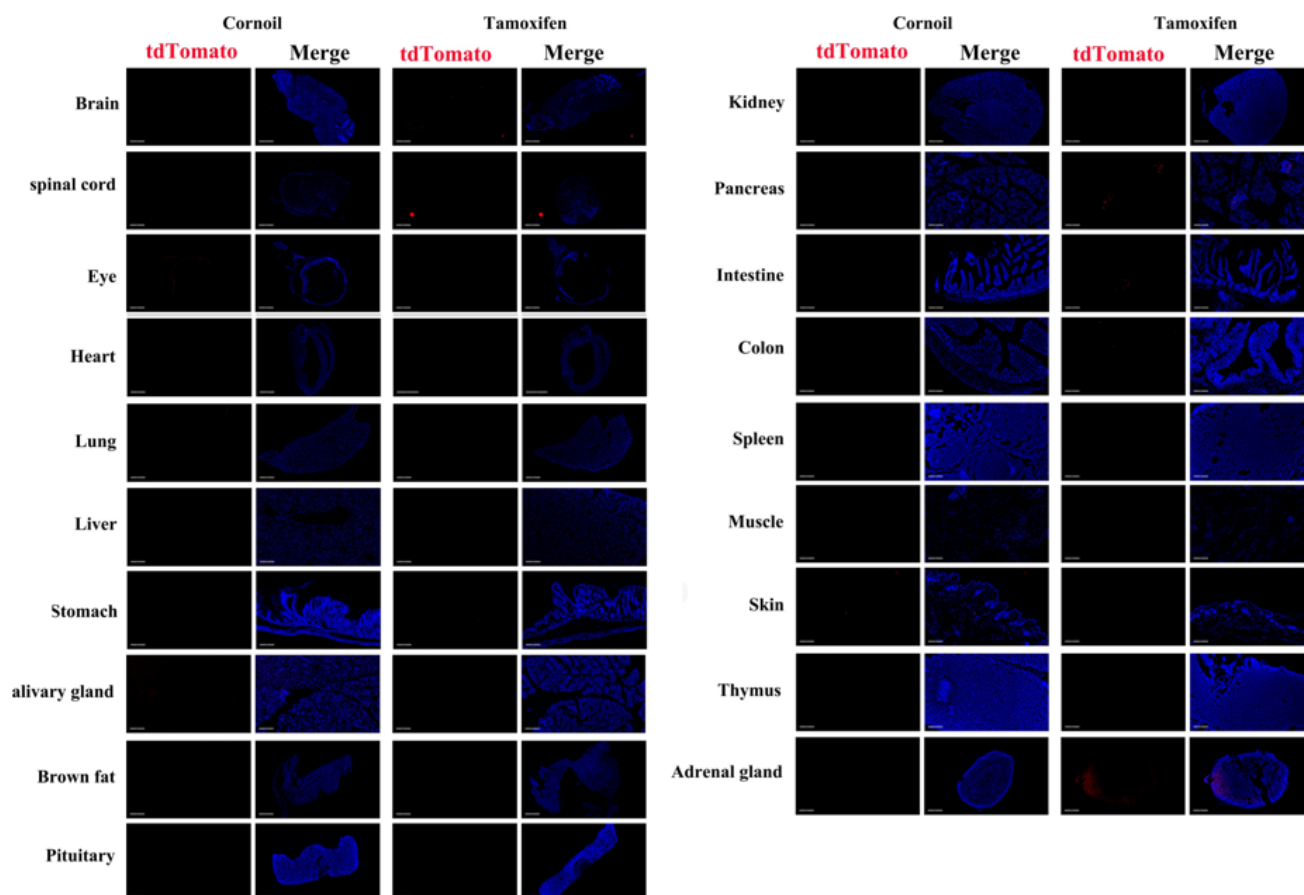


Fig2. Detection of tdTomato(red) in various tissues of ThCreERT2/+;Rosa26tdTomato/+ mouse. Expression tissues include: brain, islet. A few cells expressed in spinal cord, pituitary gland, small intestine, colon, skin, thymus and adrenal gland. Tissues that unexpressed include eye, heart, lung, liver, stomach, salivary glands, brown fat, kidney, spleen, muscle. Tamoxifen induction began at 49 days of age, with testing at 58 days. (For more detailed information please contact our technical advisor.)