

Nts-IRES-Cre

Nomenclature	C57BL/6Smoc- <i>Nts</i> ^{em1(IRES-iCre)Smoc}
Cat. NO.	NM-KI-200093
Strain State	Repository Live

Gene Summary

Gene Symbol Nts	Synonyms	NN; NT; NT/N; NTS1; NMN-125; 5033428E16Rik
	NCBI ID	67405
	MGI ID	1328351
	Ensembl ID	ENSMUSG00000019890
	Human Ortholog	NTS

Model Description

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

Research Application: Neuroleptin (*Nts*) is a neuropeptide involved in regulating biological processes, including cardiovascular tone, pain processing, uptake behavior, motor drive, sleep, addiction, and social behavior.

*Literature published using this strain should indicate: *Nts*-IRES-Cre mice (Cat. NO. NM-KI-200093) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data

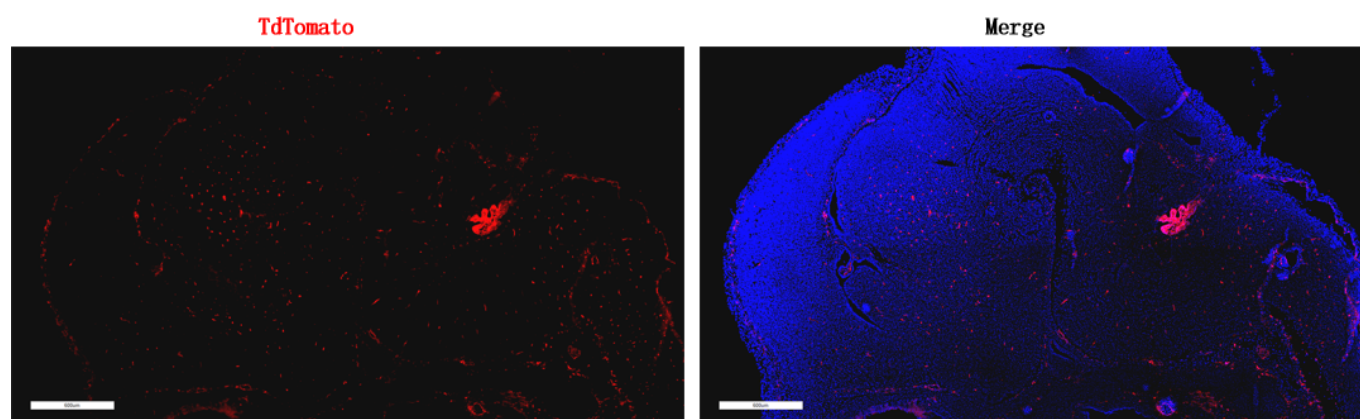


Fig. 1 Cre-mediated recombination in the E14.5 brain of $Nts^{Cre/+}$; $Rosa26^{tdTomato/+}$ mouse. TdTomato(red) expression can be detected in the choroid plexus cells of E14.5 $Nts^{Cre/+}$; $Rosa26^{tdTomato/+}$ embryo.

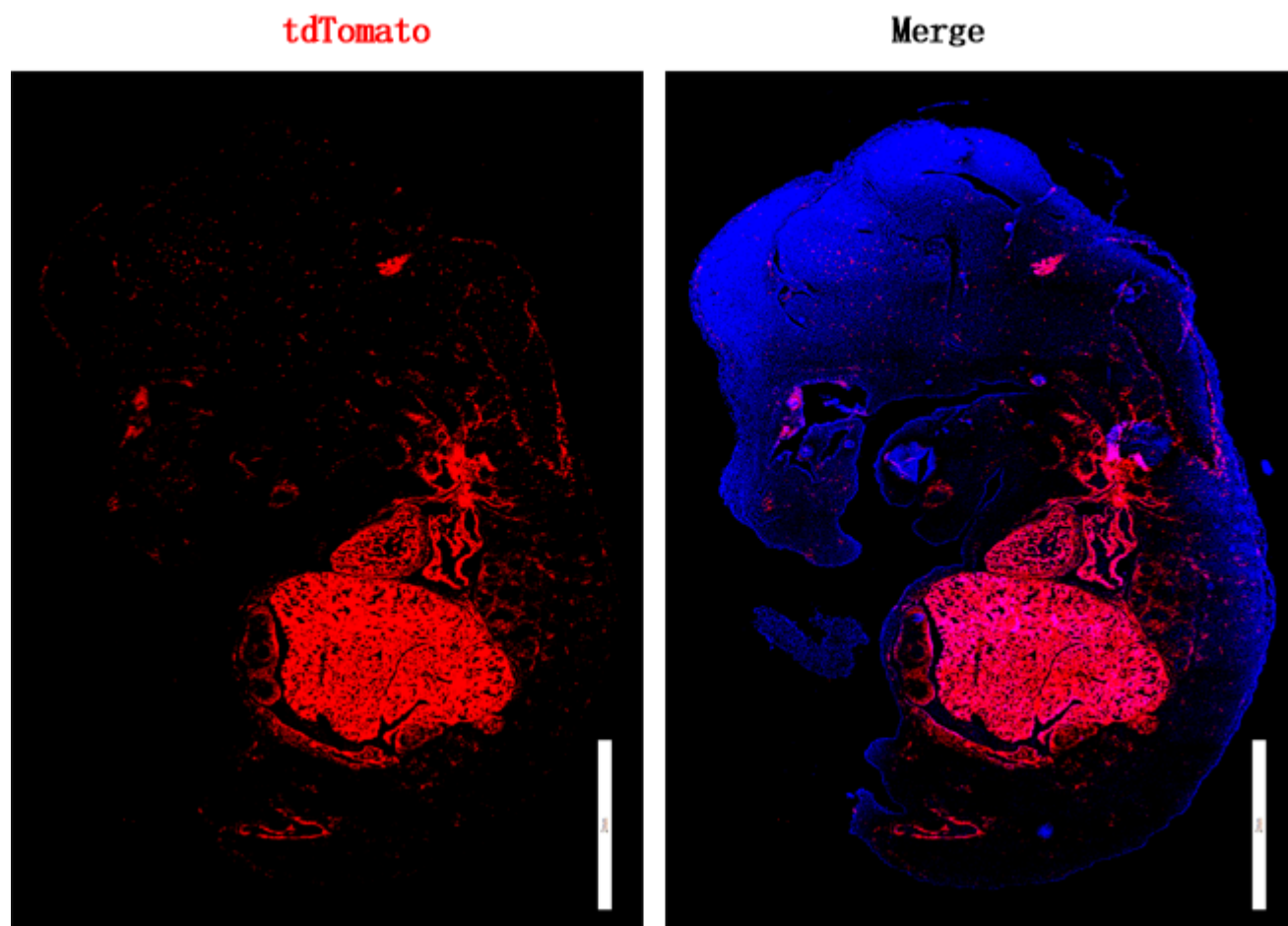


Fig. 2 Detection of tdTomato(red) in various tissues of E14.5 $Nts^{Cre/+}$; $Rosa26^{tdTomato/+}$ mouse embryos. Tdtomato was expressed in the brain, heart, lung and liver. (For more detailed information please contact our technical advisor.)