

Eno2-2A-Cre

Nomenclature	C57BL/6Smoc- <i>Eno2</i> ^{em1(2A-iCre)Smoc}
Cat. NO.	NM-KI-200012
Strain State	Repository Live

Gene Summary

Gene Symbol Eno2	Synonyms	NSE; Eno-2; AI837106; D6Ert375e
	NCBI ID	13807
	MGI ID	95394
	Ensembl ID	ENSMUSG000000004267
	Human Ortholog	ENO2

Model Description

A 2A-iCre expression cassette was knocked into the Eno2 gene stop codon site.

Research Application: Eno2 is a highly specific marker for neuronal and peripheral neuroendocrine cells. This strain is useful in the study of human motor neuron diseases such as brain injury and spinal muscular atrophy.

*Literature published using this strain should indicate: Eno2-2A-Cre mice (Cat. NO. NM-KI-200012) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data

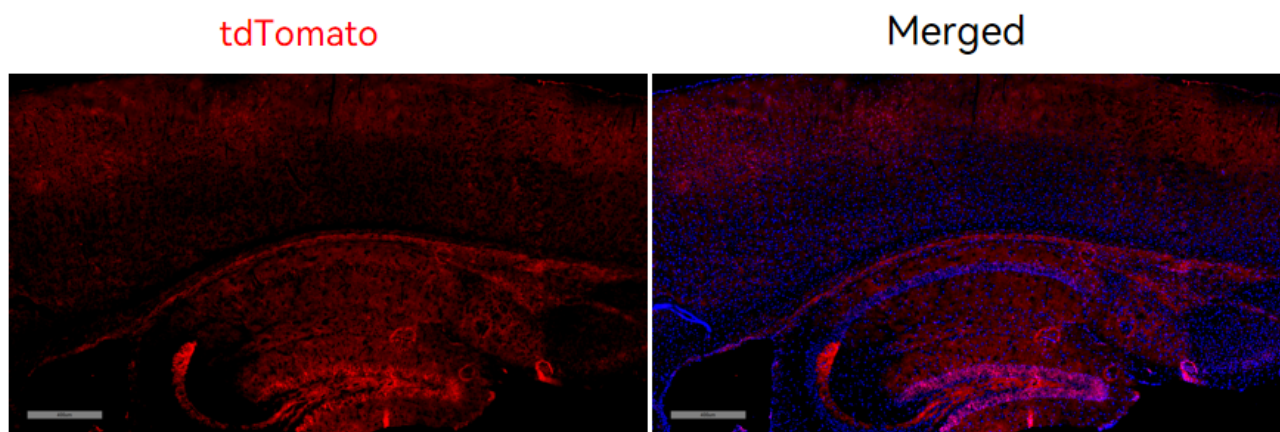


Fig. 1 Cre-mediated recombination in the brain of $Eno2^{Cre/+}; Rosa26^{tdTomato/+}$ mouse. TdTomato(red) expression can be detected in the neurons of $Eno2^{Cre/+}; Rosa26^{tdTomato/+}$ mouse.

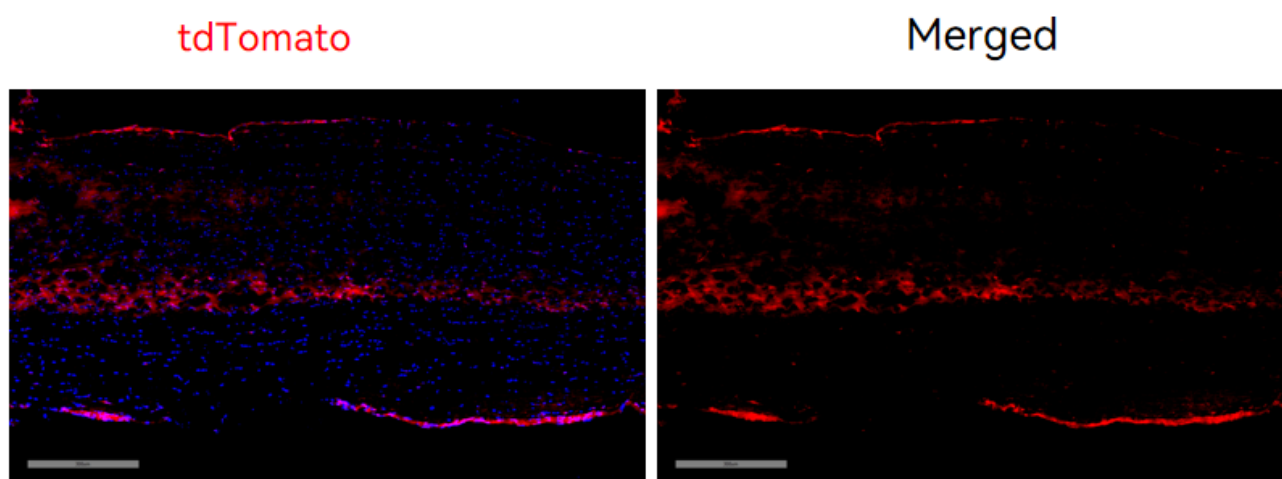


Fig. 2 Cre-mediated recombination in the spinal cord of $Eno2^{Cre/+}; Rosa26^{tdTomato/+}$ mouse. TdTomato(red) expression can be detected in the neurons of $Eno2^{Cre/+}; Rosa26^{tdTomato/+}$ mouse.

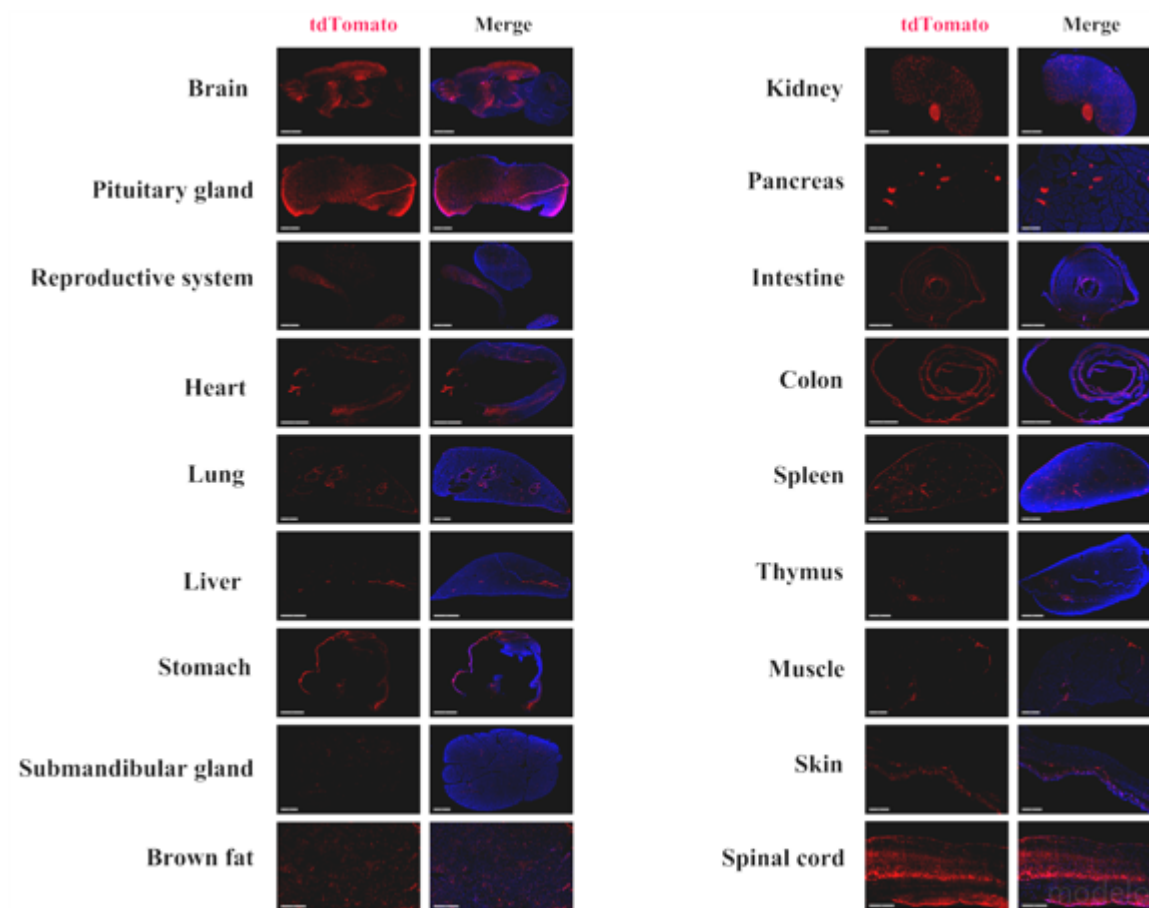


Fig. 3 Detection of tdTomato(red) in various tissues of $Eno2^{Cre/+}; Rosa26^{tdTomato/+}$ mice. Tdtomato was expressed in the brain and spinal cord. TdTomato can also be detected in individual cells of the pituitary gland, testis, heart, lung, liver, stomach, submandibular gland, brown fat, kidney, pancreas, intestine, colon, spleen, thymus, muscle and skin. (For more detailed information please contact our technical advisor.)