

Eno2-2A-Cre

Nomenclature C57BL/6Smoc-*Eno2*^{em1(2A-iCre)Smoc}

Cat. NO. NM-KI-200012

Strain State Repository Live

Gene Summary

Gene Symbol Eno2	Synonyms	NSE; Eno-2; Al837106; D6Ertd375e
	NCBI ID	<u>13807</u>
	MGI ID	<u>95394</u>
	Ensembl ID	ENSMUSG00000004267
	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



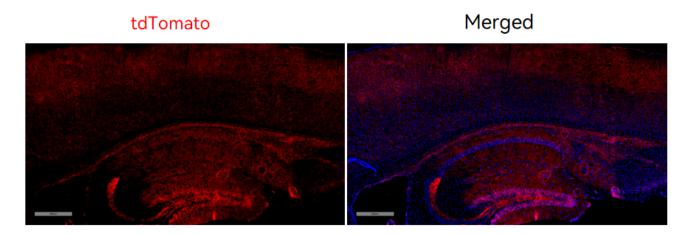


Fig. 1 Cre-mediated recombination in the brain of Eno2^{Cre/+}; Rosa26^{tdTomato/+} mouse. TdTomato(red) expression can be detected in the neurons of Eno2^{Cre/+}; Rosa26^{tdTomato/+} mouse.

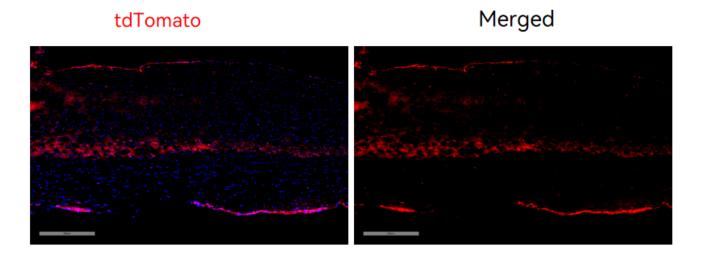


Fig. 2 Cre-mediated recombination in the spinal cord of Eno2^{Cre/+}; Rosa26^{tdTomato/+} mouse. TdTomato(red) expression can be detected in the neurons of Eno2^{Cre/+}; Rosa26^{tdTomato/+} mouse.



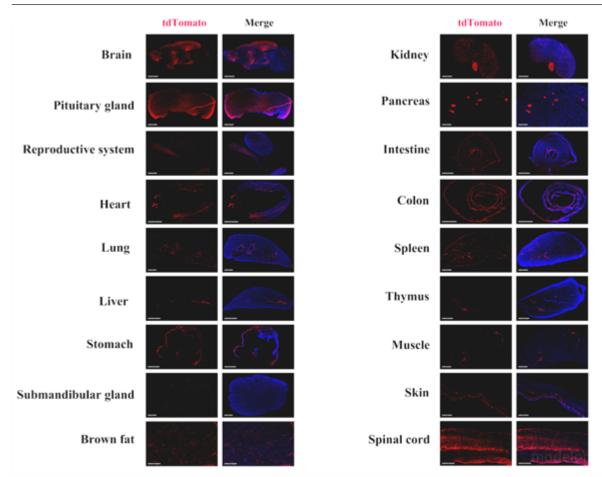


Fig. 3 Detection of tdTomato(red) in various tissues of Eno2^{Cre/+}; Rosa26^{tdTomato/+} mice. Tdtomato was expressed in the brain and spinal cord. TdTomato can also be detected in individual cells of the pitultary gland, testis, heart, lung, liver, stomach, submandibular gland, brown fat, kidney, pancreas,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