

Csf2rb2-2A-Cre

Nomenclature C57BL/6Smoc-*Csf2rb2*^{em1(2A-Cre)Smoc}

Cat. NO. NM-KI-210001

Strain State Embryo cryopreservation

Gene Summary

Gene Symbol Csf2rb2	Synonyms	Bil3; Il3r; AIC2A; Il3rb; Il3rb2; BetaIl3; Csfgmrb
	NCBI ID	<u>12984</u>
	MGI ID	<u>1339760</u>
	Ensembl ID	ENSMUSG00000071714
	Human Ortholog	CSF2RB2

Model Description

2A-Cre expression cassette was knocked into the Csf2rb2 gene. Csf2rb2 is also known as colony stimulating factor 2 receptor. When crossed with a strain carrying a gene flanked by loxP sites, the flanked gene will be removed in cells expressing Cre. The gene product has been involved in the modulation of memory.

Research Application: Cre tool mice

*Literature published using this strain should indicate: Csf2rb2-2A-Cre mice (Cat. NO. NM-KI-210001) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data

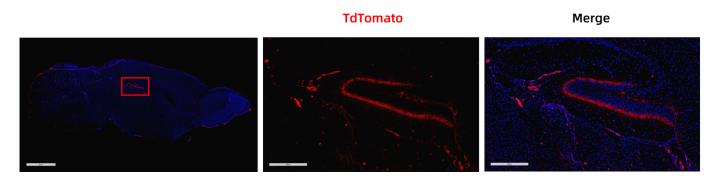


Fig. 1 Cre-mediated recombination in the brain of Csf2rb2^{Cre/+}; Rosa26^{tdTomato/+} mouse.



TdTomato(red) expression can be detected in the dentate gyrus of Csf2rb2^{Cre/+}; Rosa26^{tdTomato/+} mouse.

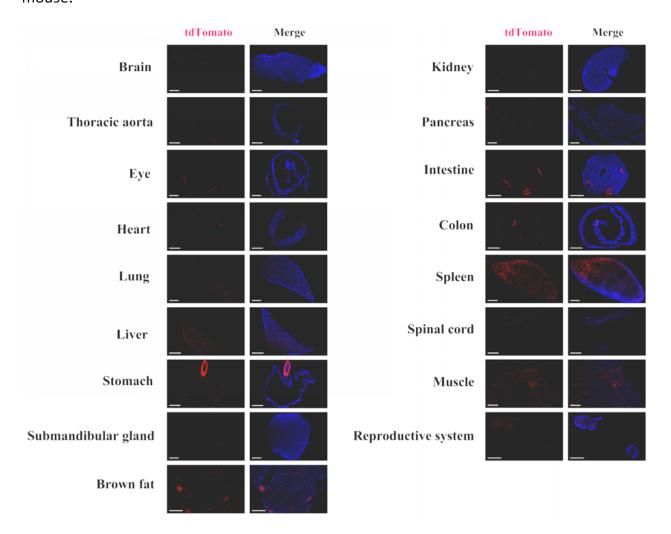


Fig. 2 Detection of tdTomato(red) in various tissues of Csf2rb2Cre/+; Rosa26tdTomato/+ mice. Tdtomato expression can be detected in the brain, thoracic aorta, eye, heart, lung, liver, stomach, salivary gland, brown fat, kidney, pancreas, peyer patch, colon, spleen, spinal cord, muscle, ovary and uterus. (For more detailed information please contact our technical advisor.)