

Scgb3a2-IRES-Cre

Nomenclature C57BL/6Smoc-*Scgb3a2*^{em1(IRES-Cre-polyA)Smoc}}

Cat. NO. NM-KI-210127

Strain State Embryo cryopreservation

Gene Summary

Gene Symbol Scgb3a2	Synonyms	Pnsp1; UGRP1; LuLeu1; Utgrp1
	NCBI ID	<u>117158</u>
	MGI ID	<u>2153470</u>
	Ensembl ID	ENSMUSG00000038791
	Human Ortholog	SCGB3A2

Model Description

IRES-Cre-polyA expression cassette was knocked into the Scgb3a2 gene.

Research Application: Secretoglobin (SCGB) 3A2 is a member of the SCGB gene superfamily of cytokine-like secretory proteins of small molecular weight. SCGB proteins mainly expressed in airway epithelial cells.

*Literature published using this strain should indicate: Scgb3a2-IRES-Cre mice (Cat. NO. NM-KI-210127) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data

Tdtomato Merge



Fig. 1 Cre-mediated recombination in the lung of Scgb3a2^{cre/+}; Rosa26^{tdTomato/+} mouse. TdTomato(red) expression can be detected in the epithelial cells of Scgb3a2^{cre/+}; Rosa26^{tdTomato/+} mouse.

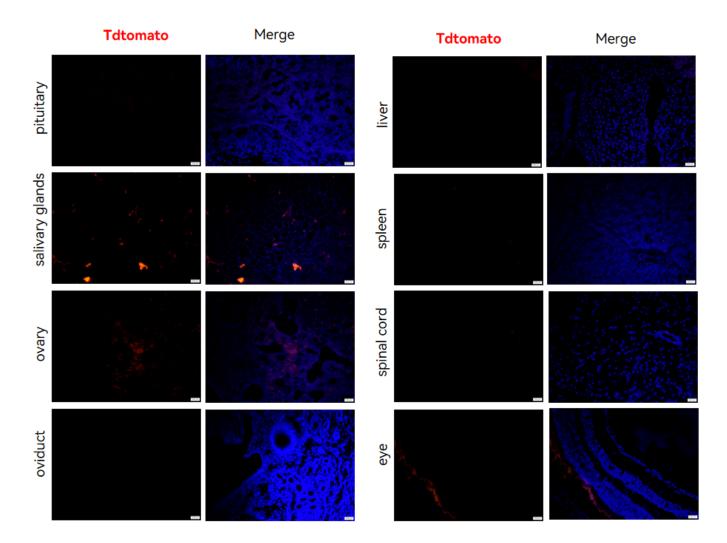


Fig. 2 Detection of tdTomato(red) in various tissues of Scgb3a2^{Cre/+}; Rosa26^{tdTomato/+} mice. Tdtomato was expressed in the airway epithelium cells of an adult female mouse. TdTomato can also be detected in individual cells of salivary glands, ovary, spleen and spinal cord. TdTomato can not be detected in the pituitary, oviduct, liver and eyes. (For more detailed information please contact our technical advisor.)