

Hopx-2A-DreERT2

Nomenclature	C57BL/6Smoc- <i>Hopx</i> ^{em1(2A-DreERT2)Smoc}
Cat. NO.	NM-KI-190035
Strain State	Sperm cryopreservation

Gene Summary

Gene Symbol Hopx	Synonyms	Hod; Hop; Ob1; Obl; Hdop; Toto; Cameo; AI848177; AW490897; 1110018K11Rik; 1200015P04Rik; 2300002F06Rik
	NCBI ID	74318
	MGI ID	1916782
	Ensembl ID	ENSMUSG00000059325
	Human Ortholog	HOPX

Model Description

A 2A-DreERT2 expression cassette was knocked into the Hopx gene stop codon site.

Research Application: Dre recombinase tool

*Literature published using this strain should indicate: Hopx-2A-DreERT2 mice (Cat. NO. NM-KI-190035) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data

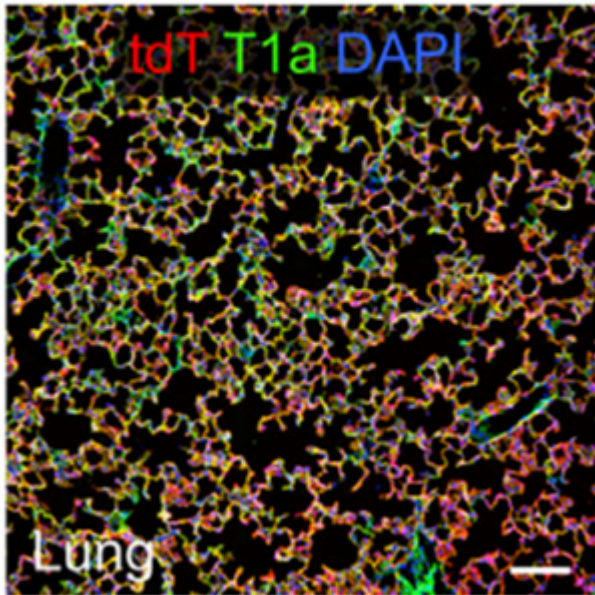
Hopx-2A-DreER;tdT

Fig. 1 DreERT2-mediated recombination in the lung of $Hopx^{DreERT2/+}$; $R26^{tdtomato/+}$ mouse. Tdtomato (red) expression can be detected in alveolar epithelial cells after tamoxifen treatment. T1a (green) is the marker gene known to be expressed in the adult lung solely by the alveolar type I epithelial cell. (Documented in the following reference.)

Publications

[A Suite of New Dre-recombinase Drivers Markedly Expands the Ability to Perform Intersectional Genetic Targeting](#)

References: CELL STEM CELL