Plin1-2A-DreERT2

Nomenclature	C57BL/6Smoc-*Plin1*$^{em1(2A\text{-}DreERT2)Smoc}$
Cat. NO.	NM-KI-190034
Strain State	Sperm cryopreservation

Gene Summary

Gene Symbol **Plin1**	**Synonyms**	Peri; Plin; 6030432J05Rik
	NCBI ID	103968
	MGI ID	1890505
	Ensembl ID	ENSMUSG00000030546
	Human Ortholog	PLIN1

Model Description

A 2A-DreERT2 expression cassette was knocked into the Plin1 gene stop codon site.
Research Application: Dre recombinase tool
*Literature published using this strain should indicate: Plin1-2A-DreERT2 mice (Cat. NO. NM-KI-190034) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data

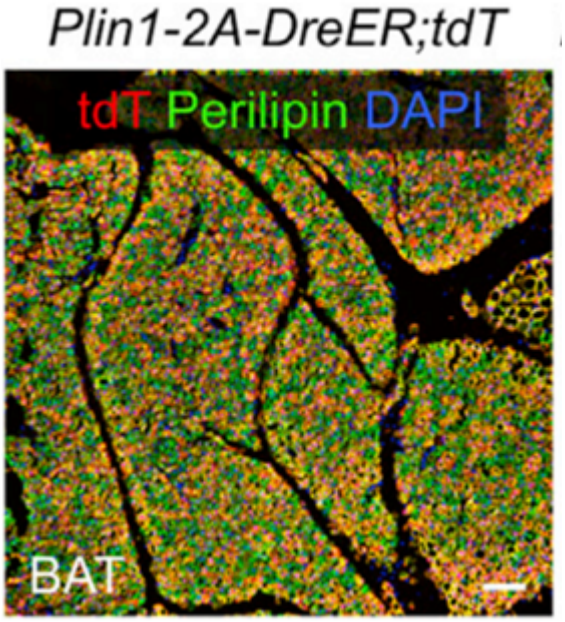

Fig.1 DreERT2-mediated recombination in the brown adipose tissue of Plin1$^{DreERT2/+}$; R26$^{tdTomato/+}$ mouse. TdTomato (red) expression can be detected in the brown adipose tissue after tamoxifen treatment. Perillipin (green) are phosphoproteins that are localized to the surface of triacylglycerol droplets within adipocytes. (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