

Atp4b-2A-CreERT2

Nomenclature	C57BL/6Smoc- <i>Atp4b</i> ^{em1(2A-CreERT2-WPRE-pA)Smoc}		
Cat. NO.	NM-KI-200240		
Strain State	Repository Live		

Gene Summary

Gene Symbol Atp4b	Synonyms	AV080843
	NCBI ID	<u>11945</u>
	MGI ID	<u>88114</u>
	Ensembl ID	ENSMUSG0000031449
	Human Ortholog	ATP4B

Model Description

A 2A-CreERT2-WPRE-pA expression cassette was knocked into the Atp4b gene stop codon site. **Research Application**: Cre tool mice

*Literature published using this strain should indicate: Atp4b-2A-CreERT2 mice (Cat. NO. NM-KI-200240) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data



	Atp4b-CreER*/-:R26-tdTomato -TAM		Atp4b-	Atp4b-CreER*/-:R26-tdTomato +TAM			
Stomach	tdTomato	Merge	Zoom	tdTomato	Merge	Zoom	
Brain	tdTom	ato	Merge	tdTom	ato	Merge	
Liver							
Lung			O.				
Pancreas							

Fig1. Validation of tdTomato expression by fluorescence assay

Cre recombinase expression is highly specific to stomach and, within the stomach, is expressed only in parietal cells and their immediate progenitors. Cre recombinase is not expressed in adult brain, kidney, liver, lung and Pancreas.