

Pah-KO

系統名	C57BL/6Smoc- <i>Pah</i> ^{em1Smoc}
SMOC番号	NM-KO-2110565
維持形態	Repository Live

遺伝子の概要

Gene Symbol Pah	Synonyms	AW106920
	NCBI ID	18478
	MGI ID	97473
	Ensembl ID	ENSMUSG00000020051
	Human Ortholog	PAH

説明

Exon 2-5 of pah gene was deleted to generate pah knockout mice.

*Literature published using this strain should indicate: Pah-KO mice (Cat. NO. NM-KO-2110565) were purchased from Shanghai Model Organisms Center, Inc..

病気の予測

Phenylketonuria	表現型	MGI:6715269
	参考文献	Singh K, et al., CRISPR/Cas9 generated knockout mice lacking phenylalanine hydroxylase protein as a novel preclinical model for human phenylketonuria. Sci Rep. 2021 Mar 31;11(1):7254

表現型データ

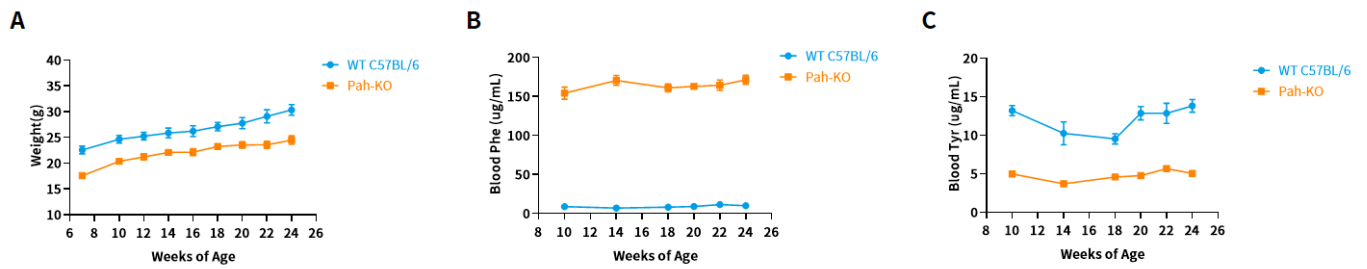


Fig1. Characterization of WT C57BL/6 and Pah-KO mice.

(A) The Pah-KO mice showed lower body weights than the WT mice (n=20/group). (B) Summary of blood Phe at various timepoints is shown (n=20/group). (C) Summary of blood Tyr at various timepoints is shown (n=20/group). Note: Data from the third party.



Fig2. Hair coat color in WT C57BL/6 and Pah-KO mice.

Hair coat of the Pah-KO mouse is light brown whereas it is dark brown for the WT C57BL/6 mouse.

Note: Data from the third party.