

hAPOE2

Nomenclature	C57BL/6Smoc- <i>Apo^e</i> ^{tm4(hAPOE2)Smoc}
Cat. NO.	NM-HU-190013
Strain State	Repository Live

Gene Summary

Gene Symbol Apo^e	Synonyms	Apo-E; AI255918
	NCBI ID	11816
	MGI ID	88057
	Ensembl ID	ENSMUSG000000002985
	Human Ortholog	APOE

Model Description

This APOE2 humanized mouse model was established by replacing the mouse Apo^e gene coding exons and introns with the human APOE2 corresponding sequence by homologous recombination.

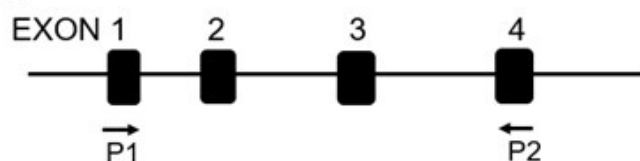
Research Application: Immune-related

*Literature published using this strain should indicate: hAPOE2 mice (Cat. NO. NM-HU-190013) were purchased from Shanghai Model Organisms Center, Inc..

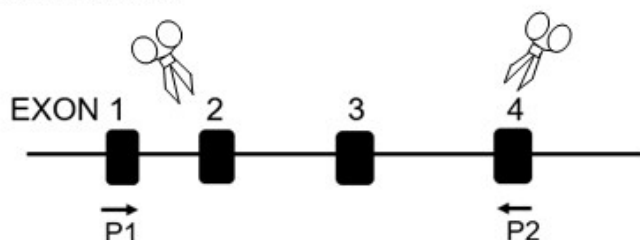
Validation Data

Generation strategy

a. Wild type allele



b. Knockout allele



c. Knock-In allele



Fig1. Schematic representation of gene targeting at the Apoe locus.

Validation data

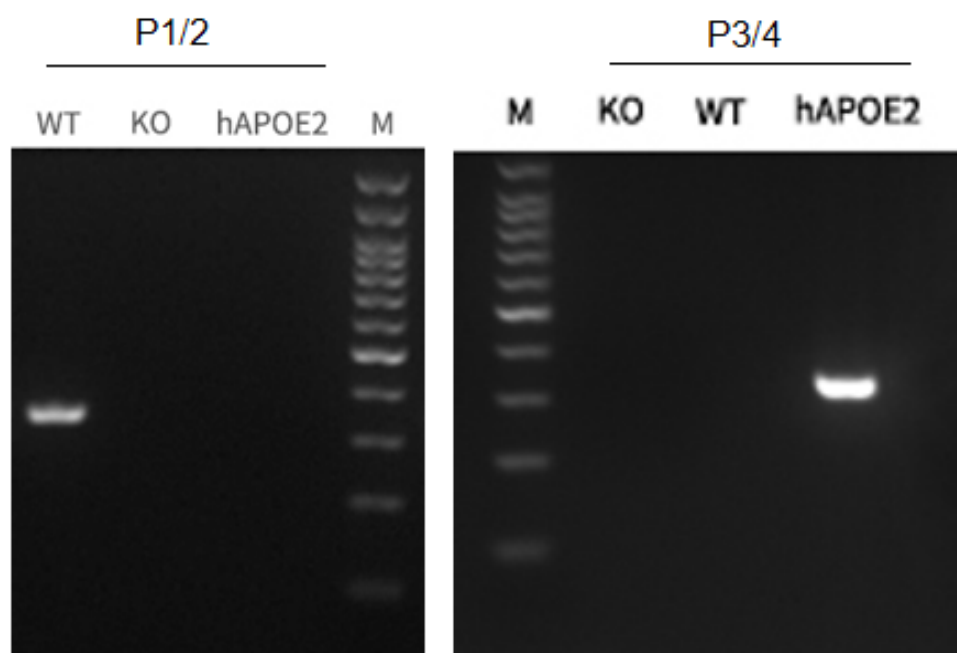


Fig2. Genotyping of WT , KO & Humanized mice by PCR.

Primer P1/2 Wild type = 342 bp

Primer P3/4 mutant = 332 bp

M: 100bp Plus DNA ladder.

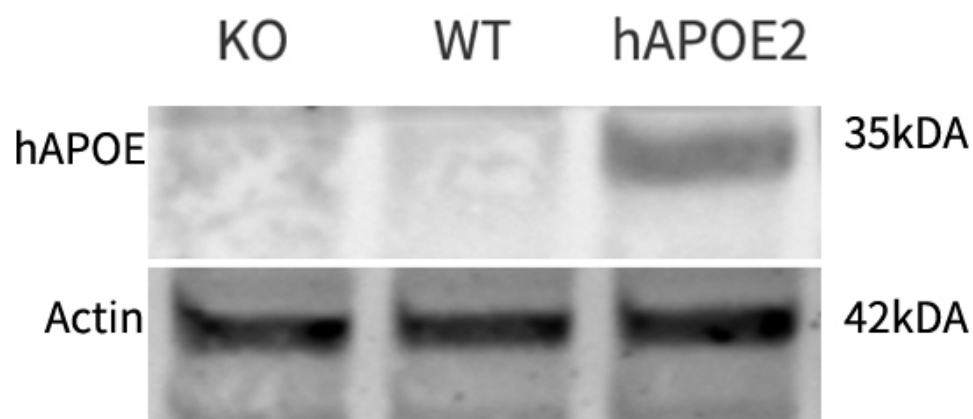


Fig3. Western blot analysis of APOE2 protein levels in WT、KO & humanized mice liver.

APOE anti-body: Sc-13521 (santa cruz)