

hAPOE3

Nomenclature	C57BL/6Smoc- <i>ApoE</i> ^{tm3(hAPOE3)Smoc}
Cat. NO.	NM-HU-190003
Strain State	Repository Live

Gene Summary

Gene Symbol ApoE	Synonyms	Apo-E; AI255918
	NCBI ID	11816
	MGI ID	88057
	Ensembl ID	ENSMUSG00000002985
	Human Ortholog	APOE

Model Description

This APOE3 humanized mouse model was established by replacing the mouse *ApoE* gene coding exons and introns with the human APOE3 corresponding sequence by homologous recombination.

Research Application: Cardiovascular disease

*Literature published using this strain should indicate: hAPOE3 mice (Cat. NO. NM-HU-190003) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data

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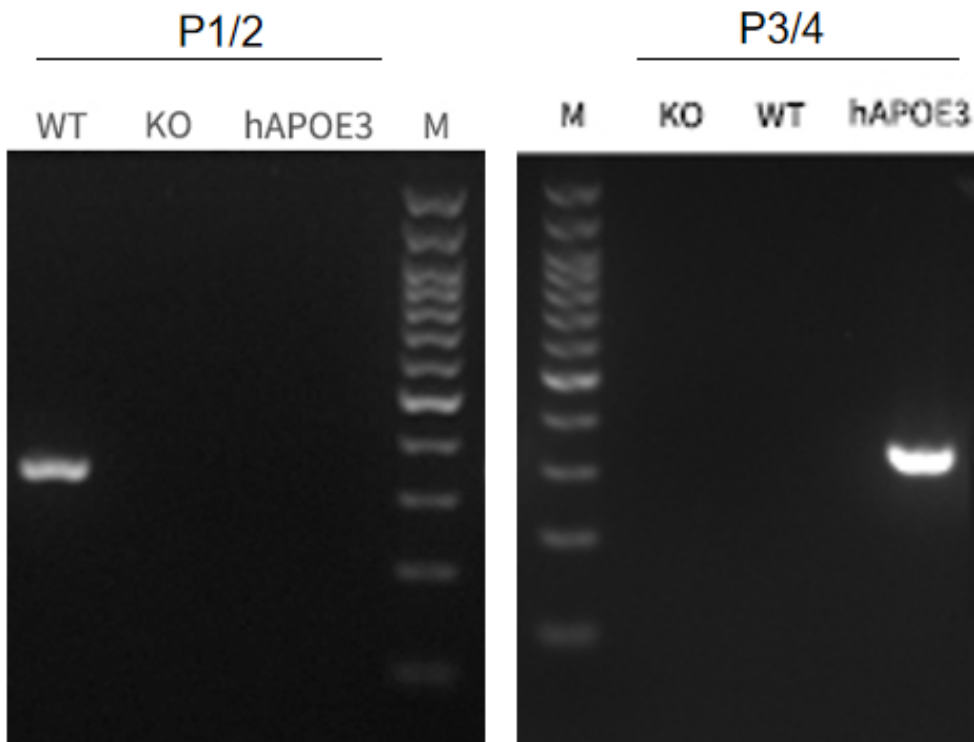


Fig1. Genotyping of WT 、 KO & Humanized mice by PCR.

Primer P1/2 Wild type = 342 bp

Primer P3/4 mutant = 332 bp

M: 100bp Plus DNA ladder.

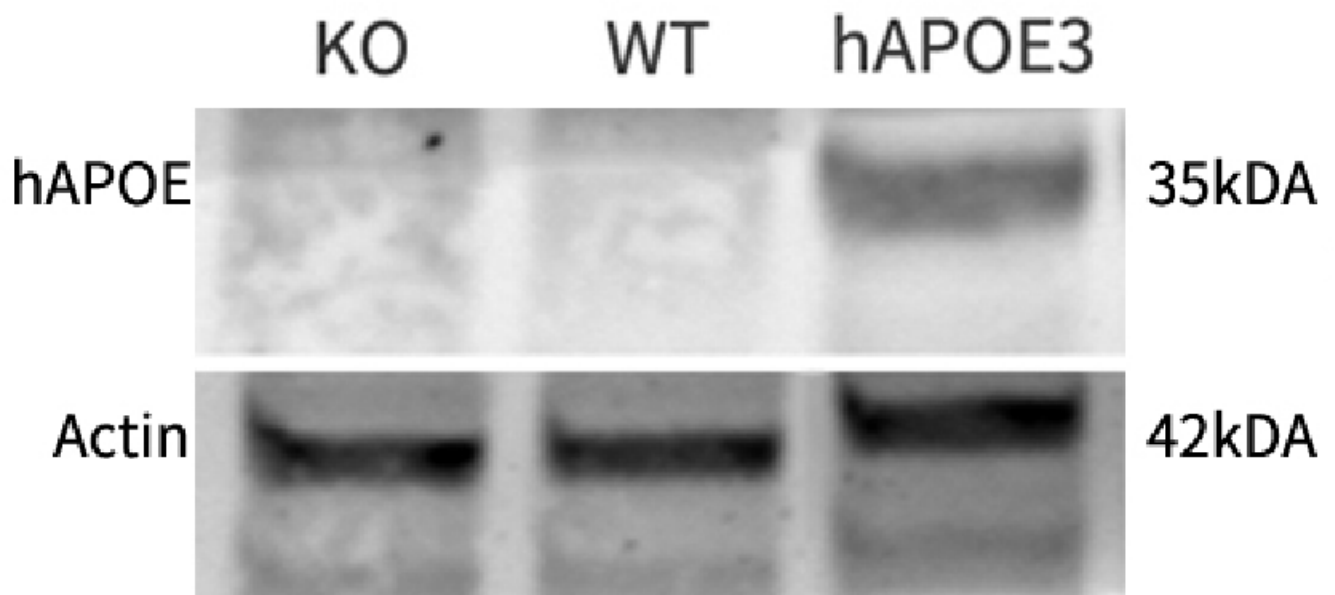


Fig2. Western blot analysis of APOE3 protein from WT、 KO & Humanized mice.

