

hAppNL-G-F

品系全名	C57BL/6Smoc- <i>App</i> ^{tm3(hAppNL-G-F)/Smoc}
目录号	NM-HU-2000088
品系状态	胚胎冻存

基因信息

基因名 App	基因曾用名	Ag; Abpp; Adap; Cvap; Abeta; betaApp; E030013M08Rik
	NCBI ID	11820
	MGI ID	88059
	Ensembl ID	ENSMUSG00000022892
	人类同源基因	APP

品系描述

将小鼠App基因全部或者部分替换为人源AppNL-G-F，从而表达人或人鼠嵌合AppNL-G-F蛋白，取代小鼠内源App蛋白的表达。

应用领域：老年痴呆AD相关人源化小鼠模型

*使用本品系发表的文献需注明: hAppNL-G-F mice (Cat. NO. NM-HU-2000088) were purchased from Shanghai Model Organisms Center, Inc..

验证数据

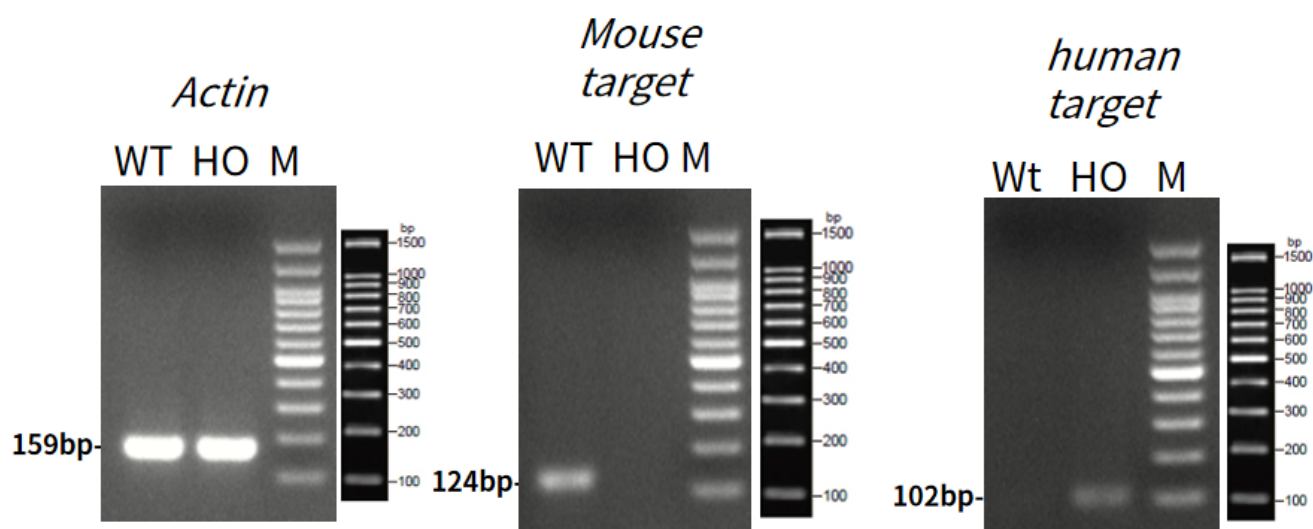


Fig1. Detection of APP expression in brain by RT-PCR.

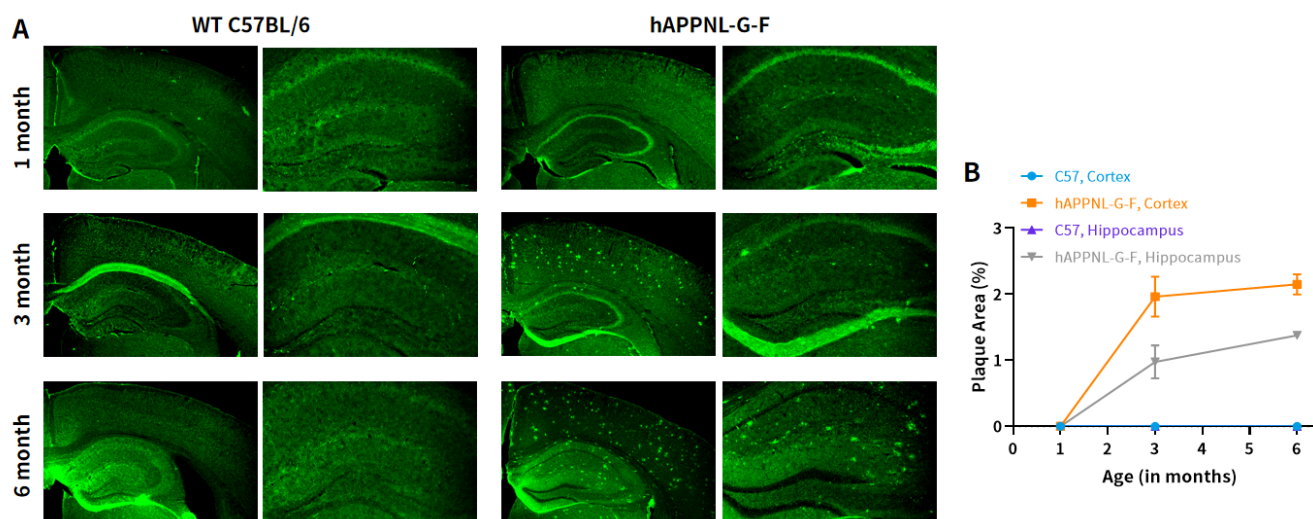


Fig2. (A) β -Amyloid (6E10) staining of WT and hAPPNL-G-F mice at 1, 3 and 6 months (magnification, 40x and 100x). (B) Statistics of 6E10 positive plaque area.

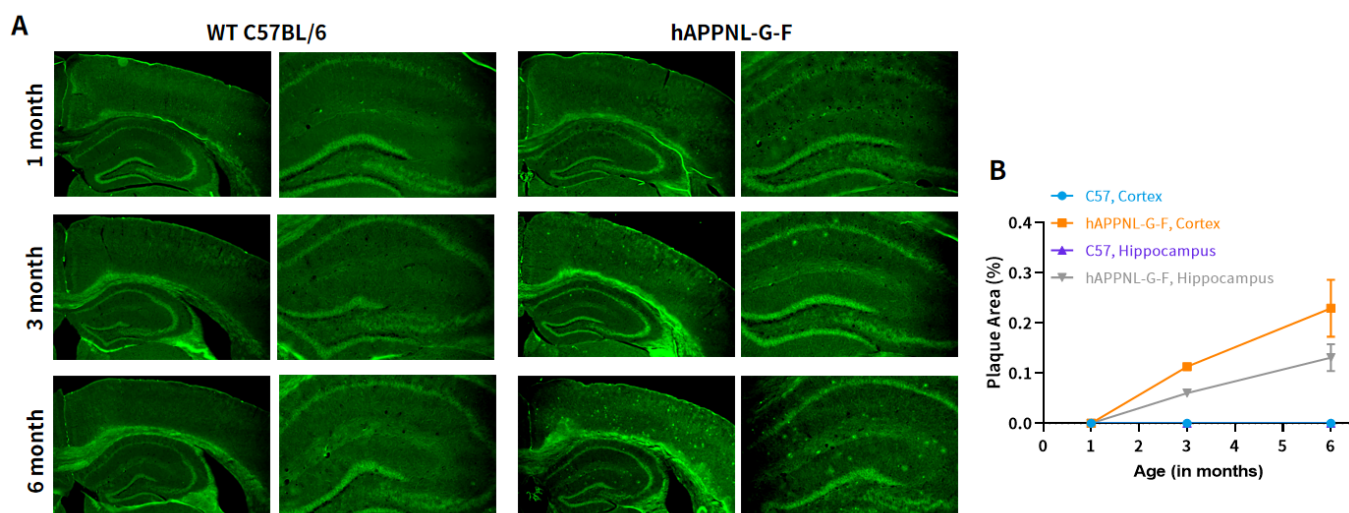


Fig3. (A) Thioflavine S staining of WT and hAPPNL-G-F mice at 1, 3 and 6 months (magnification, 40x and 100x). (B) Statistics of ThiS positive plaque area.