

KPC(2)

Nomenclature	C57BL/6Smoc- <i>Trp53</i> ^{tm7(R270H-flox)} <i>Kras</i> ^{em4(LSL-G12D)} Tg(Pdx1-cre)Smoc
Cat. NO.	NM-KI-220014
Strain State	Repository Live

Gene Summary

Gene Symbol Trp53	Synonyms	bbl; bfy; bhy; p44; p53; Tp53
	NCBI ID	22059
	MGI ID	98834
	Ensembl ID	ENSMUSG00000059552
	Human Ortholog	TRP53
Gene Symbol Kras	Synonyms	Ki-ras; K-ras; Kras2; Kras-2
	NCBI ID	16653
	MGI ID	96680
	Ensembl ID	ENSMUSG00000030265
	Human Ortholog	KRAS
Gene Symbol pdx1	Synonyms	lpf1, IDX-1, IPF-1, Mody4, STF-1, pdx-1
	NCBI ID	18609
	MGI ID	102851
	Ensembl ID	ENSMUSG00000029644

Model Description

Trp53-LSL-R270H (NM-KI-200186), Kras-LSL-G12D (NM-KI-190003) were crossed with Pdx1-Cre-Tg to generate KPC mice. While KPC (Stock No. NM-KI-210096) mice function similarly to KPC(2) mice, for more detailed information please contact our technical advisor.

Research Application: Spontaneous pancreatic tumor

*Literature published using this strain should indicate: KPC(2) mice (Cat. NO. NM-KI-220014) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

pancreatic carcinoma	Phenotype(s)	
	Reference(s)	Pancreatology . 2020 Jan;20(1):79-88. doi: 10.1016/j.pan.2019.11.006. Epub 2019 Nov 18.

Validation Data

No data