

Mapk1-Flox

Nomenclature	C57BL/6Smoc- <i>Mapk1</i> ^{em(flox)Smoc}
Cat. NO.	NM-CKO-230225
Strain State	Sperm cryopreservation

Gene Summary

Gene Symbol Mapk1	Synonyms	ERK, Erk2, MAPK2, PRKM2, Prkm1, C78273, p41mapk, p42mapk, AA407128, AU018647, 9030612K14Rik
	NCBI ID	26413
	MGI ID	1346858
	Ensembl ID	ENSMUSG00000063358
	Human Ortholog	MAPK1

Model Description

These mice carry loxP sites flanking exon 2-3 of Mapk1. When crossed with a Cre recombinase-expressing strain, this strain is useful in eliminating tissue-specific conditional expression of Mapk1 gene.

*Literature published using this strain should indicate: Mapk1-Flox mice (Cat. NO. NM-CKO-230225) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Autism Spectrum Disorder	Phenotype(s)	MGI:5293439 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Nes-cre mice.
	Reference(s)	Satoh Y, Endo S, Nakata T, Kobayashi Y, Yamada K, Ikeda T, Takeuchi A, Hiramoto T, Watanabe Y, Kazama T, ERK2 contributes to the control of social behaviors in mice. J Neurosci. 2011 Aug 17;31(33):11953-67

Validation Data

No data
