

Gja1-Flox

系統名	C57BL/6Smoc- <i>Gja1</i> ^{em1(flox)Smoc}
SMOC番号	NM-CKO-200180
維持形態	Repository Live

遺伝子の概要

Gene Symbol Gja1	Synonyms	Cx43; Npm1; Cnx43; Gja-1; AU042049; AW546267; Cx43alpha1; connexin43
	NCBI ID	14609
	MGI ID	95713
	Ensembl ID	ENSMUSG00000050953
	Human Ortholog	GJA1

説明

These mice carry loxP sites flanking exon 2 of Gja1 gene. When crossed with a Cre recombinase-expressing strain, this strain is useful in eliminating tissue-specific conditional expression of Gja1 gene.

応用分野: Research on the connection mechanism and adhesion of cell adhesion to endothelial cell contact

*Literature published using this strain should indicate: Gja1-Flox mice (Cat. NO. NM-CKO-200180) were purchased from Shanghai Model Organisms Center, Inc..

病気の予測

Oculodentodigital Dysplasia	表現型	MGI:3807710 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Pgk1-cre mice.
	参考文献	Dobrowolski R, Sasse P, Schrickel JW, Watkins M, Kim JS, Rackauskas M, Troatz C, Ghanem A, Tiemann K, Degen J, Bukauskas FF, Civitelli R, Lewalter T, Fleischmann BK, Willecke K, The conditional connexin43G138R mouse mutant represents a new model of hereditary oculodentodigital dysplasia in humans. Hum Mol Genet. 2008 Feb 15;17(4):539-54
oculodentodigital dysplasia	表現型	MGI:4420313 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with GFAP-cre mice.
	参考文献	Wiencken-Barger AE, Djukic B, Casper KB, McCarthy KD, A role for Connexin43 during neurodevelopment. Glia. 2007 May;55(7):675-86

表現型データ

No data