

Cdh1-Flox

Nomenclature	C57BL/6Smoc- <i>Cdh1</i> ^{tm(flox)1Smoc}
Cat. NO.	NM-CKO-18016
Strain State	Repository Live

Gene Summary

Gene Symbol Cdh1	Synonyms	Um; UVO; Ecad; ARC-1; E-cad; L-CAM; AA960649
	NCBI ID	12550
	MGI ID	88354
	Ensembl ID	ENSMUSG00000000303
	Human Ortholog	CDH1

Model Description

These mice carry loxP sites flanking exon3 of the *Cdh1* gene. When crossed with a Cre recombinase-expressing strain, this strain is useful in eliminating tissue-specific conditional expression of the gene.

*Literature published using this strain should indicate: *Cdh1*-Flox mice (Cat. NO. NM-CKO-18016) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Stomach Cancer	Phenotype(s)	MGI:5634400 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with <i>Smad4</i> -Flox(NM-CKO-18011), <i>P53</i> -Flox(2)(NM-CKO-190067) and <i>Pdx1</i> -cre mice.
	Reference(s)	Park JW, Jang SH, Park DM, Lim NJ, Deng C, Kim DY, Green JE, Kim HK, Cooperativity of E-cadherin and <i>Smad4</i> Loss to Promote Diffuse-Type Gastric Adenocarcinoma and Metastasis. <i>Mol Cancer Res.</i> 2014 Aug;12(8):1088-99

Invasive Lobular Carcinoma	Phenotype(s)	MGI:6296606 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Cdh1-Flox(NM-CKO-18016) and Wap-cre mice.
	Reference(s)	Derksen PW, Braumuller TM, van der Burg E, Hornsveld M, Mesman E, Wesseling J, Krimpenfort P, Jonkers J, Mammary-specific inactivation of E-cadherin and p53 impairs functional gland development and leads to pleomorphic invasive lobular carcinoma in mice. Dis Model Mech. 2011 May-Jun;4(3):347-58

Validation Data

No data