

Atg5-Flox

Nomenclature	C57BL/6Smoc- <i>Atg5</i> ^{em2(flox)Smoc}
Cat. NO.	NM-CKO-00131
Strain State	Repository Live

Gene Summary

Gene Symbol Atg5	Synonyms	Apg5l Atg5l Paddy C88337 AW319544 2010107M05Rik 3110067M24Rik
	NCBI ID	11793
	MGI ID	1277186
	Ensembl ID	ENSMUSG00000038160
	Human Ortholog	ATG5

Model Description

These mice carry loxP sites flanking exon 3 of Atg5 gene. When crossed with a Cre recombinase-expressing strain, this strain is useful in eliminating tissue-specific conditional expression of this gene.

Research Application: Autophagy, Atg5 function study

*Literature published using this strain should indicate: Atg5-Flox mice (Cat. NO. NM-CKO-00131) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Systemic Lupus Erythematosus	Phenotype(s)	MGI:6287975 Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Lyz2-Cre mice.
	Reference(s)	Martinez J, Cunha LD, Park S, Yang M, Lu Q, Orchard R, Li QZ, Yan M, Janke L, Guy C, Linkermann A, Virgin HW, Green DR, Noncanonical autophagy inhibits the autoinflammatory, lupus-like response to dying cells. Nature. 2016 May 5;533(7601):115-9

Validation Data

No data
