

Abcg2-KO

Nomenclature	C57BL/6Smoc- <i>Abcg2</i> ^{em1Smoc}
Cat. NO.	NM-KO-18013
Strain State	Repository Live

Gene Summary

Gene Symbol Abcg2	Synonyms	MXR; ABCP; BCRP; MXR1; ABC15; Bcrp1; AI428558
	NCBI ID	26357
	MGI ID	1347061
	Ensembl ID	ENSMUSG00000029802
	Human Ortholog	ABCG2

Model Description

Exon3-5 of *Abcg2* gene were deleted to generate *Abcg2* knockout mice.

*Literature published using this strain should indicate: *Abcg2*-KO mice (Cat. NO. NM-KO-18013) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Erythropoietic Protoporphyria	Phenotype(s)	MGI:3040915
	Reference(s)	Jonker JW, Buitelaar M, Wagenaar E, Van Der Valk MA, Scheffer GL, Scheper RJ, Plosch T, Kuipers F, Elferink RP, Rosing H, Beijnen JH, Schinkel AH, The breast cancer resistance protein protects against a major chlorophyll-derived dietary phototoxin and protoporphyria. Proc Natl Acad Sci U S A. 2002 Nov 26;99(24):15649-54

Hyperuricemia	Phenotype(s)	MGI:5698637
	Reference(s)	Ichida K, Matsuo H, Takada T, Nakayama A, Murakami K, Shimizu T, Yamanashi Y, Kasuga H, Nakashima H, Nakamura T, Takada Y, Kawamura Y, Inoue H, Okada C, Utsumi Y, Ikebuchi Y, Ito K, Nakamura M, Shinohara Y, Hosoyamada M, Sakurai Y, Shinomiya N, Hosoya T, Suzuki H, Decreased extra-renal urate excretion is a common cause of hyperuricemia. Nat Commun. 2012;3:764

Validation Data

No data