

Eif4ebp2-KO

Nomenclature	C57BL/6Smoc- <i>Eif4Ebp2</i> ^{em1Smoc}
Cat. NO.	NM-KO-191121
Strain State	Embryo cryopreservation

Gene Summary

Gene Symbol Eif4ebp2	Synonyms	4E-BP2, PHAS-II, AA792569, BC010348, 2810011I19Rik
	NCBI ID	13688
	MGI ID	109198
	Ensembl ID	ENSMUSG00000020091
	Human Ortholog	EIF4EBP2

Model Description

Exon 3-4 of Eif4ebp2 gene was deleted to generate Eif4ebp2 knockout mice.

Research Application: Cell proliferation and differentiation, viral infection, nervous system, synaptic transmission, autism, muscle homeostasis

*Literature published using this strain should indicate: Eif4ebp2-KO mice (Cat. NO. NM-KO-191121) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Autism Spectrum Disorder	Phenotype(s)	MGI:3610950
	Reference(s)	Gkogkas CG, Khoutorsky A, Ran I, Rampakakis E, Nevarko T, Weatherill DB, Vasuta C, Yee S, Truitt M, Dallaire P, Major F, Lasko P, Ruggero D, Nader K, Lacaille JC, Sonenberg N, Autism-related deficits via dysregulated eIF4E-dependent translational control. Nature. 2013 Jan 17;493(7432):371-7

Validation Data

No data

