

Ube3a-KO

Nomenclature	C57BL/6Smoc- <i>Ube3a</i> ^{em1Smoc}
Cat. NO.	NM-KO-200599
Strain State	Embryo cryopreservation

Gene Summary

Gene Symbol Ube3a	Synonyms	Hpve6a, 4732496B02, 5830462N02Rik, A130086L21Rik
	NCBI ID	22215
	MGI ID	105098
	Ensembl ID	ENSMUSG00000025326
	Human Ortholog	UBE3A

Model Description

Exon 5 of Ube3a gene was deleted to generate Ube3a knockout mice.

Research Application: Diseases associated with UBE3A include Angelman Syndrome and Angelman Syndrome Due To A Point Mutation.

*Literature published using this strain should indicate: Ube3a-KO mice (Cat. NO. NM-KO-200599) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Angelman Syndrome	Phenotype(s)	MGI:3694359
	Reference(s)	Jiang YH, Armstrong D, Albrecht U, Atkins CM, Noebels JL, Eichele G, Sweatt JD, Beaudet AL, Mutation of the Angelman ubiquitin ligase in mice causes increased cytoplasmic p53 and deficits of contextual learning and long-term potentiation. Neuron. 1998 Oct;21(4):799-811

Validation Data

No data

