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Synaptotagmin-4 Knockout Mice

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INNOVATION

UCLA researchers have developed knockout mice in which the Synaptotagmin 4 (*Syt4*) gene is deleted. Synaptotagmin 4 is involved in a number of neurobiological events, including vesicle fusion and neurotransmitter release at neuronal synapses. These mice can be used to study many central nervous system (CNS) functions, including memory, learning, fear and anxiety

RELATED MATERIALS

- ▶ [Ferguson GD, et al. Deficits in memory and motor performance in synaptotagmin IV mutant mice. Proc Natl Acad Sci U S A. 2000 May 9;97\(10\):5598-603.](#)
- ▶ [Additional information on Mouse Strain #012400 from The Jackson Laboratory.](#)

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INVENTORS

- ▶ [Herschman, Harvey R.](#)

OTHER INFORMATION

KEYWORDS

Research tools; TRP; mouse model

CATEGORIZED AS

- ▶ [Research Tools](#)
- ▶ [Animal Models](#)

RELATED CASES

2010-498-0

ADDITIONAL TECHNOLOGIES BY THESE INVENTORS

- ▶ [Ptgs2 \(Cyclooxygenase-2\) Luciferase Knock-In Mouse](#)
- ▶ [Ptgs2 \(Cyclooxygenase-2\) Conditional Knockout Mouse](#)

