

# Syn2-KO

|        |   |
|--------|---|
| 系統名    | C57BL/6Smoc- <i>Syn2</i> <sup>em1Smoc</sup> |
| SMOC番号 | NM-KO-201079                                |
| 維持形態   | Embryo cryopreservation                     |

## 遺伝子の概要

|                     |                |                                      |
|---------------------|----------------|--------------------------------------|
| Gene Symbol<br>Syn2 | Synonyms       | AI836018, AI841723,<br>2900074L19Rik |
|                     | NCBI ID        | <a href="#">20965</a>                |
|                     | MGI ID         | <a href="#">103020</a>               |
|                     | Ensembl ID     | <a href="#">ENSMUSG00000009394</a>   |
|                     | Human Ortholog | SYN2                                 |

## 説明

Exon 2 of Syn2 gene was deleted to generate Syn2 knockout mice.

\*Literature published using this strain should indicate: Syn2-KO mice (Cat. NO. NM-KO-201079) were purchased from Shanghai Model Organisms Center, Inc..

## 病気の予測

|          |      |   |
|----------|------|---|
| Epilepsy | 表現型  | <a href="#">MGI:5698534</a><br>Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Syn1-KO(NM-KO-191042) and Syn3-KO(NM-KO-2112673) mice.                |
|          | 参考文献 | Ketzef M, Kahn J, Weissberg I, Becker AJ, Friedman A, Gitler D, Compensatory network alterations upon onset of epilepsy in synapsin triple knock-out mice. Neuroscience. 2011 Aug 25;189:108-22 |

|                                 |             |   |
|---------------------------------|-------------|---|
| <b>Autism Spectrum Disorder</b> | <b>表現型</b>  | <a href="#">MGI:5517484</a>   |
|                                 | <b>参考文献</b> | Greco B, Manago F, Tucci V, Kao HT, Valtorta F, Benfenati F, Autism-related behavioral abnormalities in synapsin knockout mice. Behav Brain Res. 2013 Aug 15;251:65-74  |
| <b>Epilepsy</b>                 | <b>表現型</b>  | <a href="#">MGI:3045985</a>   |
|                                 | <b>参考文献</b> | Toader O, Forte N, Orlando M, Ferrea E, Raimondi A, Baldelli P, Benfenati F, Medrihan L, Dentate gyrus network dysfunctions precede the symptomatic phase in a genetic mouse model of seizures. Front Cell Neurosci. 2013;7:138 |

### 表現型データ

No data