

Resource Summary Report

Generated by [NIF](#) on Sep 21, 2026

B6;129S-Syngap1^{tm1.1Mabk}/Mmucd

RRID:MMRRC_037374-UCD

Type: Organism

Proper Citation

RRID:MMRRC_037374-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=37374

Proper Citation: RRID:MMRRC_037374-UCD

Description: Mus musculus with name B6;129S-Syngap1^{tm1.1Mabk}/Mmucd from MMRRC.

Species: Mus musculus

Notes: Research areas: Cell Biology, Models for Human Disease, Neurobiology; Mutation Type: Targeted Mutation ; Collection:

Phenotype: tremors [MP:0000745]| weakness [MP:0000746]| postnatal growth retardation [MP:0001732]| abnormal motor capabilities/coordination/movement [MP:0002066]| abnormal excitatory postsynaptic currents [MP:0002910]| increased neuron apoptosis [MP:0003203]| abnormal hippocampus pyramidal cell morphology [MP:0009940]| postnatal lethality [MP:0011085]| complete penetrance [MP:0011086]

Affected Gene: Syngap1

Catalog Number: 037374-UCD

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:15470153](#), [PMID:19074040](#), [PMID:19824778](#)

Alternate IDs: MMRRC_37374-UCD, MMRRC_037374, MMRRC_37374

Organism Name: B6;129S-Syngap1^{tm1.1Mabk}/Mmucd

Record Creation Time: 20230308T055150+0000

Record Last Update: 20260919T133938+0000

Ratings and Alerts

No rating or validation information has been found for B6;129S-Syngap1^{tm1.1Mabk}/Mmucd.

No alerts have been found for B6;129S-Syngap1^{tm1.1Mabk}/Mmucd.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Mutant Mouse Resource and Research Center (MMRRC)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Walkup WG, et al. (2016) A model for regulation by SynGAP-??1 of binding of synaptic proteins to PDZ-domain 'Slots' in the postsynaptic density. eLife, 5.