

Resource Summary Report

Generated by [dkNET](#) on Sep 5, 2026

B6.Cg-App^{tm1Dbo}

Tg(APP^{swe},PSEN1^{dE9})85Dbo/Mmjax

RRID:MMRRC_042050-JAX

Type: Organism

Proper Citation

RRID:MMRRC_042050-JAX

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=42050

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Description: Mus musculus with name B6.Cg-App^{tm1Dbo}
Tg(APP^{swe},PSEN1^{dE9})85Dbo/Mmjax from MMRRC.

Species: Mus musculus

Notes: Research areas: Immunology and Inflammation, Models for Human Disease, Neurobiology; Mutation Type: Transgenic ; Collection:

Phenotype: weakness [MP:0000746]| decreased brain size [MP:0000774]| small cerebellum [MP:0000852]| Purkinje cell degeneration [MP:0000876]| demyelination [MP:0000921]| abnormal neuromuscular synapse morphology [MP:0001053]| decreased body weight [MP:0001262]| weight loss [MP:0001263]| decreased body size [MP:0001265]| ataxia [MP:0001393]| hypoactivity [MP:0001402]| impaired coordination [MP:0001405]| spinning [MP:0001411]| abnormal spatial learning [MP:0001463]| impaired righting response [MP:0001523]| intracerebral hemorrhage [MP:0001916]| reduced fertility [MP:0001921]| premature death [MP:0002083]| gliosis [MP:0002183]| abnormal long term potentiation [MP:0002207]| abnormal active avoidance behavior [MP:0002798]| abnormal neuron morphology [MP:0002882]| abnormal locomotor activation [MP:0003313]| astrogliosis [MP:0003354]| pallor [MP:0003717]| head tilt [MP:0005191]| hematoma [MP:0008817]| absent gastric milk in neonates [MP:0009546]| abnormal neuron differentiation [MP:0009937]| decreased grip strength [MP:0010053]| increased brain cholesterol level [MP:0010162]| postnatal lethality [MP:0011085]| complete penetrance [MP:0011086]| postnatal lethality [MP:0011110]| incomplete penetrance [MP:0020408]

Affected Gene: App|APP|PSEN1|App

Catalog Number: 042050-JAX

Background: Transgenic

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:27511018](#), [PMID:7758106](#), [PMID:11337275](#)

Alternate IDs: MMRRC_42050-JAX, MMRRC_042050, MMRRC_425

Organism Name: B6.Cg-*App*^{tm1Dbo} Tg(APPswe,PSEN1dE9)85Dbo/Mmjax

Record Creation Time: 20230308T055222+0000

Record Last Update: 20260905T111028+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-*App*^{tm1Dbo} Tg(APPswe,PSEN1dE9)85Dbo/Mmjax.

No alerts have been found for B6.Cg-*App*^{tm1Dbo} Tg(APPswe,PSEN1dE9)85Dbo/Mmjax.

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 [dkNET](#) .

Yu ZY, et al. (2022) Inhibiting ??1-adrenergic receptor signaling pathway ameliorates AD-type pathologies and behavioral deficits in APPswe/PS1 mouse model. Journal of neurochemistry, 161(3), 293.