

Resource Summary Report

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STOCK *Atp2b2*^{tm1Ges}/Mmjax

RRID:MMRRC_034261-JAX

Type: Organism

Proper Citation

RRID:MMRRC_034261-JAX

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=34261

Proper Citation: RRID:MMRRC_034261-JAX

Description: Mus musculus with name STOCK *Atp2b2*^{tm1Ges}/Mmjax from MMRRC.

Species: Mus musculus

Notes: Research areas: Neurobiology, Sensorineural; Mutation Type: Targeted Mutation ; Collection:

Phenotype: abnormal inner ear morphology [MP:0000026] abnormal inner ear vestibule morphology [MP:0000034] abnormal organ of Corti morphology [MP:0000042] abnormal cerebral cortex morphology [MP:0000788] abnormal cerebellum morphology [MP:0000849] increased Purkinje cell number [MP:0000879] thin cerebellar molecular layer [MP:0000890] decreased body weight [MP:0001262] ataxia [MP:0001393] abnormal gait [MP:0001406] impaired righting response [MP:0001523] impaired balance [MP:0001525] abnormal reflex [MP:0001961] deafness [MP:0001967] absent otoliths [MP:0002978] absent tunnel of Corti [MP:0003151] abnormal cerebellar granule cell morphology [MP:0004098] abnormal calcium ion homeostasis [MP:0004231] absent organ of Corti supporting cells [MP:0004301] absent pillar cells [MP:0004312] absent cochlear hair cells [MP:0004405] decreased cochlear hair cell number [MP:0004408] abnormal hair cell mechanoelectric transduction [MP:0004431] abnormal cochlear hair cell physiology [MP:0004432] abnormal vestibular hair cell physiology [MP:0004438] decreased organ of Corti supporting cell number [MP:0004497] increased susceptibility to noise-induced hearing loss [MP:0004597] abnormal auditory cortex morphology [MP:0004631] abnormal cochlear nerve morphology [MP:0004716] absent distortion product otoacoustic emissions [MP:0004737] abnormal auditory brainstem response [MP:0004738] sensorineural hearing loss [MP:0004740] increased susceptibility to age-related hearing loss [MP:0004748] impaired hearing [MP:0006325] increased or absent threshold for auditory brainstem response [MP:0011967]

Affected Gene: *Atp2b2*

Catalog Number: 034261-JAX

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:9668038](#)

Alternate IDs: MMRRC_34261-JAX, MMRRC_034261, MMRRC_34261

Organism Name: STOCK *Atp2b2^{tm1Ges}*/Mmjax

Record Creation Time: 20230308T055132+0000

Record Last Update: 20260829T123448+0000

Ratings and Alerts

No rating or validation information has been found for STOCK *Atp2b2^{tm1Ges}*/Mmjax.

No alerts have been found for STOCK *Atp2b2^{tm1Ges}*/Mmjax.

Data and Source Information

Source: [Integrated Animals](#)

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

Usage and Citation Metrics

We have not found any literature mentions for this resource.