

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 10, 2026

[Ptk2b^{tm1Schl}/Ptk2b^{tm1Schl}](#)

RRID:MGI:3584536

Type: Organism

Proper Citation

RRID:MGI:3584536

Organism Information

URL:

Proper Citation: RRID:MGI:3584536

Description: Allele Detail: Targeted This is a legacy resource.

Species: Mus musculus

Notes: Allele Detail: Targeted This is a legacy resource.

Phenotype: impaired macrophage chemotaxis, abnormal macrophage physiology, decreased acute inflammation

Affected Gene: Ptk2b

Genomic Alteration: tm1Schl

Catalog Number: 3584536

Background: involves: 129S1/Sv * 129X1/SvJ

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:12960403](#)

Organism Name: Ptk2b^{tm1Schl}/Ptk2b^{tm1Schl}

Record Creation Time: 20240120T190624+0000

Record Last Update: 20240130T202019+0000

Ratings and Alerts

No rating or validation information has been found for Ptk2b^{tm1Schl}/Ptk2b^{tm1Schl}.

No alerts have been found for Ptk2b^{tm1Schl}/Ptk2b^{tm1Schl}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Brody AH, et al. (2022) Alzheimer risk gene product Pyk2 suppresses tau phosphorylation and phenotypic effects of tauopathy. Molecular neurodegeneration, 17(1), 32.

Nies SH, et al. (2021) Spreading of Alzheimer tau seeds is enhanced by aging and template matching with limited impact of amyloid-?. The Journal of biological chemistry, 297(4), 101159.

Salazar SV, et al. (2019) Alzheimer's Disease Risk Factor Pyk2 Mediates Amyloid-?-Induced Synaptic Dysfunction and Loss. The Journal of neuroscience : the official journal of the Society for Neuroscience, 39(4), 758.

Lee S, et al. (2019) Pyk2 Signaling through Graf1 and RhoA GTPase Is Required for Amyloid-? Oligomer-Triggered Synapse Loss. The Journal of neuroscience : the official journal of the Society for Neuroscience, 39(10), 1910.