

# Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 18, 2026

## [Ptk2b<sup>tm1Schl</sup>/Ptk2b<sup>tm1Schl</sup>](#)

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<sup>tm1Schl</sup>/Ptk2b<sup>tm1Schl</sup>

**Record Creation Time:** 20240120T190624+0000

**Record Last Update:** 20240130T202019+0000

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## Ratings and Alerts

No rating or validation information has been found for Ptk2b<sup>tm1Schl</sup>/Ptk2b<sup>tm1Schl</sup>.

No alerts have been found for Ptk2b<sup>tm1Schl</sup>/Ptk2b<sup>tm1Schl</sup>.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** MGI, Mouse Genome Informatics MGI

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## 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.