Resource Summary Report

Generated by RRID on Aug 5, 2026

B6;129S7-*Twist1*^{tm2Bhr}/Mmnc

RRID:MMRRC_016842-UNC
Type: Organism

Proper Citation

RRID:MMRRC_016842-UNC

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=16842

Proper Citation: RRID:MMRRC_016842-UNC

Description: Mus musculus with name B6;129S7-*Twist1*^{tm2Bhr}/Mmnc from MMRRC.

Species: Mus musculus

Notes: Research areas: Cancer, Developmental Biology, Models for Human Disease; Mutation Type: Targeted Mutation ; Collection:

Phenotype: polydactyly [MP:0000562] short temporal bone squamous part [MP:0008430]

Affected Gene: Twist1

Catalog Number: 016842-UNC

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: PMID:17868088, PMID:17050674

Alternate IDs: MMRRC_16842-UNC, MMRRC_016842, MMRRC_16842

Organism Name: B6;129S7-*Twist1*^{tm2Bhr}/Mmnc

Record Creation Time: 20230308T054944+0000

Record Last Update: 20260801T123754+0000

Ratings and Alerts

No rating or validation information has been found for B6;129S7-*Twist1*^{tm2Bhr}/Mmnc.

No alerts have been found for B6;129S7-*Twist1*^{tm2Bhr}/Mmnc.

Data and Source Information

Source: Integrated Animals

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

Usage and Citation Metrics

We found 12 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Yang F, et al. (2024) An immunosuppressive vascular niche drives macrophage polarization and immunotherapy resistance in glioblastoma. Science advances, 10(9), eadj4678.

Bok S, et al. (2023) A multi-stem cell basis for craniosynostosis and calvarial mineralization. Nature, 621(7980), 804.

Matrongolo MJ, et al. (2023) Piezo1 agonist restores meningeal lymphatic vessels, drainage, and brain-CSF perfusion in craniosynostosis and aged mice. The Journal of clinical investigation, 134(4).

Matrongolo MJ, et al. (2023) Piezo1 agonist restores meningeal lymphatic vessels, drainage, and brain-CSF perfusion in craniosynostosis and aged mice. bioRxiv : the preprint server for biology.

Matrongolo MJ, et al. (2023) Loss of Twist1 and balanced retinoic acid signaling from the meninges causes cortical folding in mice. Development (Cambridge, England), 150(18).

Liu L, et al. (2022) Twist1 downregulation of PGC-1?? decreases fatty acid oxidation in tubular epithelial cells, leading to kidney fibrosis. Theranostics, 12(8), 3758.

Whitman MC, et al. (2022) TWIST1, a gene associated with Saethre-Chotzen syndrome, regulates extraocular muscle organization in mouse. Developmental biology, 490, 126.

Han X, et al. (2021) Runx2-Twist1 interaction coordinates cranial neural crest guidance of soft palate myogenesis. eLife, 10.

Teng CS, et al. (2018) Altered bone growth dynamics prefigure craniosynostosis in a zebrafish model of Saethre-Chotzen syndrome. eLife, 7.

Yeo SY, et al. (2018) A positive feedback loop bi-stably activates fibroblasts. Nature communications, 9(1), 3016.

Tischfield MA, et al. (2017) Cerebral Vein Malformations Result from Loss of Twist1 Expression and BMP Signaling from Skull Progenitor Cells and Dura. Developmental cell, 42(5), 445.

Zheng X, et al. (2015) Epithelial-to-mesenchymal transition is dispensable for metastasis but induces chemoresistance in pancreatic cancer. Nature, 527(7579), 525.