

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](https://fdi-lab.sci-crunch.org) on Apr 2, 2025

sonic hedgehog

RRID:AB_528466

Type: Antibody

Proper Citation

(DSHB Cat# 5E1, RRID:AB_528466)

Antibody Information

URL: http://antibodyregistry.org/AB_528466

Proper Citation: (DSHB Cat# 5E1, RRID:AB_528466)

Target Antigen: SHH

Host Organism: mouse

Clonality: monoclonal

Comments: consolidated with AB_AB_2188307 on 02/2018 by curator.

Antibody Name: sonic hedgehog

Description: This monoclonal targets SHH

Target Organism: chicken, mouse

Antibody ID: AB_528466

Vendor: DSHB

Catalog Number: 5E1

Record Creation Time: 20231110T045908+0000

Record Last Update: 20241115T081525+0000

Ratings and Alerts

No rating or validation information has been found for sonic hedgehog.

No alerts have been found for sonic hedgehog.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 47 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Dumoulin A, et al. (2024) A cell-autonomous role for primary cilium-mediated signaling in long-range commissural axon guidance. *Development (Cambridge, England)*, 151(17).

Ehring K, et al. (2024) Two-way Dispatched function in Sonic hedgehog shedding and transfer to high-density lipoproteins. *eLife*, 12.

Hall ET, et al. (2024) Cytoneme signaling provides essential contributions to mammalian tissue patterning. *Cell*, 187(2), 276.

Huang P, et al. (2022) Structural basis for catalyzed assembly of the Sonic hedgehog-Patched1 signaling complex. *Developmental cell*, 57(5), 670.

Wang S, et al. (2022) KIF3B promotes a PI3K signaling gradient causing changes in a Shh protein gradient and suppressing polydactyly in mice. *Developmental cell*, 57(19), 2273.

Li X, et al. (2022) Lhx2 is a progenitor-intrinsic modulator of Sonic Hedgehog signaling during early retinal neurogenesis. *eLife*, 11.

Dumoulin A, et al. (2021) Axon guidance at the spinal cord midline-A live imaging perspective. *The Journal of comparative neurology*, 529(10), 2517.

Hamilton AM, et al. (2021) Non-canonical Hedgehog signaling regulates spinal cord and muscle regeneration in *Xenopus laevis* larvae. *eLife*, 10.

Gigante ED, et al. (2020) ARL13B regulates Sonic hedgehog signaling from outside primary cilia. *eLife*, 9.

Wierbowski BM, et al. (2020) Hedgehog Pathway Activation Requires Coreceptor-Catalyzed, Lipid-Dependent Relay of the Sonic Hedgehog Ligand. *Developmental cell*, 55(4), 450.

Furmanski AL, et al. (2013) Tissue-derived hedgehog proteins modulate Th differentiation and disease. *Journal of immunology (Baltimore, Md. : 1950)*, 190(6), 2641.

Voronova A, et al. (2013) Hedgehog signaling regulates MyoD expression and activity. *The Journal of biological chemistry*, 288(6), 4389.

Wang W, et al. (2012) Chondrocytic Atf4 regulates osteoblast differentiation and function via Ihh. *Development (Cambridge, England)*, 139(3), 601.

Gerhart J, et al. (2011) Myo/Nog cell regulation of bone morphogenetic protein signaling in the blastocyst is essential for normal morphogenesis and striated muscle lineage specification. *Developmental biology*, 359(1), 12.

Farshi P, et al. (2011) Dual roles of the Cardin-Weintraub motif in multimeric Sonic hedgehog. *The Journal of biological chemistry*, 286(26), 23608.

Wilson NH, et al. (2011) Cell type specific, traceable gene silencing for functional gene analysis during vertebrate neural development. *Nucleic acids research*, 39(20), e133.

Cho SW, et al. (2011) Interactions between Shh, Sostdc1 and Wnt signaling and a new feedback loop for spatial patterning of the teeth. *Development (Cambridge, England)*, 138(9), 1807.

Ohlig S, et al. (2011) Sonic hedgehog shedding results in functional activation of the solubilized protein. *Developmental cell*, 20(6), 764.

Maun HR, et al. (2010) Hedgehog pathway antagonist 5E1 binds hedgehog at the pseudo-active site. *The Journal of biological chemistry*, 285(34), 26570.

Nagy N, et al. (2010) Experimental evidence for the ectodermal origin of the epithelial anlage of the chicken bursa of Fabricius. *Development (Cambridge, England)*, 137(18), 3019.