

Resource Summary Report

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MNR2/HB9/Mnx1 antibody - Jessell, T.M. / Brenner-Morton, S.; HHMI/Columbia University

RRID:AB_2145209

Type: Antibody

Proper Citation

DSHB Cat# 81.5C10, RRID:AB_2145209

Antibody Information

URL: http://antibodyregistry.org/AB_2145209

Proper Citation: DSHB Cat# 81.5C10, RRID:AB_2145209

Target Antigen: MNR2/HB9/Mnx1

Host Organism: mouse

Clonality: monoclonal

Comments: Application(s): Immunofluorescence, Immunohistochemistry; Date Deposited: 02/12/1999

Antibody Name: MNR2/HB9/Mnx1 antibody - Jessell, T.M. / Brenner-Morton, S.; HHMI/Columbia University

Description: This monoclonal targets MNR2/HB9/Mnx1

Target Organism: mouse, fish, zebrafish, human

Defining Citation: [PMID:22457492](#), [PMID:22549777](#), [PMID:22473852](#), [PMID:23420872](#), [PMID:23946489](#), [PMID:22102158](#), [PMID:19800948](#), [PMID:21112398](#), [PMID:19334287](#), [PMID:19696748](#), [PMID:21945076](#), [PMID:24100213](#), [PMID:22363571](#), [PMID:23578695](#), [PMID:21068056](#), [PMID:22964786](#), [PMID:21144831](#), [PMID:23504940](#), [PMID:20826431](#), [PMID:12150931](#), [PMID:22782721](#), [PMID:22833130](#), [PMID:22007132](#), [PMID:14973289](#), [PMID:21552265](#), [PMID:25179941](#), [PMID:22761584](#), [PMID:17344415](#), [PMID:24744704](#), [PMID:9778248](#), [PMID:24404179](#), [PMID:28800946](#), [PMID:25398950](#), [PMID:12121626](#), [PMID:25191843](#), [PMID:21593306](#), [PMID:22370002](#), [PMID:25383599](#), [PMID:22069185](#), [PMID:25337699](#), [PMID:20553899](#), [PMID:25369423](#), [PMID:22318233](#), [PMID:20197066](#), [PMID:25960414](#), [PMID:23269676](#)

Antibody ID: AB_2145209

Vendor: DSHB

Catalog Number: 81.5C10

Record Creation Time: 20250820T004954+0000

Record Last Update: 20250820T091859+0000

Ratings and Alerts

No rating or validation information has been found for MNR2/HB9/Mnx1 antibody - Jessell, T.M. / Brenner-Morton, S.; HHMI/Columbia University.

No alerts have been found for MNR2/HB9/Mnx1 antibody - Jessell, T.M. / Brenner-Morton, S.; HHMI/Columbia University.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 39 mentions in open access literature.

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

Zheng Z, et al. (2026) Targeting PGAM5-driven mitochondrial integrated stress response slows ALS progression across subtypes. *Neuron*, 114(12), 2109.

Anderson RS, et al. (2025) Protocol for direct reprogramming of canine fibroblasts to induced motor neurons. *STAR protocols*, 6(3), 103975.

Watanabe Y, et al. (2025) ALS-associated RNA-binding proteins promote UNC13A transcription through REST downregulation. *The EMBO journal*, 44(17), 4745.

Zhou M, et al. (2025) Ngn2 and Isl1-mediated astrocyte-to-neuron conversion in vivo promotes functional recovery after spinal cord injury. *Cell reports. Medicine*, 6(12), 102462.

Cates K, et al. (2025) Fate erasure logic of gene networks underlying direct neuronal conversion of somatic cells by microRNAs. *Cell reports*, 44(1), 115153.

L??pine S, et al. (2024) Homozygous ALS-linked mutations in TARDBP/TDP-43 lead to hypoactivity and synaptic abnormalities in human iPSC-derived motor neurons. *iScience*, 27(3), 109166.

Sun Z, et al. (2024) Harnessing developmental dynamics of spinal cord extracellular matrix improves regenerative potential of spinal cord organoids. *Cell stem cell*, 31(5), 772.

Zhou L, et al. (2023) Progenitor-derived glia are required for spinal cord regeneration in zebrafish. *Development (Cambridge, England)*, 150(10).

Liu S, et al. (2023) Generation of self-organized autonomic ganglion organoids from fibroblasts. *iScience*, 26(3), 106241.

Linares GR, et al. (2023) SYF2 suppression mitigates neurodegeneration in models of diverse forms of ALS. *Cell stem cell*, 30(2), 171.

Liau ES, et al. (2023) Single-cell transcriptomic analysis reveals diversity within mammalian spinal motor neurons. *Nature communications*, 14(1), 46.

Dady A, et al. (2022) Human spinal cord in vitro differentiation pace is initially maintained in heterologous embryonic environments. *eLife*, 11.

Pantazis CB, et al. (2022) A reference human induced pluripotent stem cell line for large-scale collaborative studies. *Cell stem cell*, 29(12), 1685.

LaForce GR, et al. (2022) Suppression of premature transcription termination leads to reduced mRNA isoform diversity and neurodegeneration. *Neuron*, 110(8), 1340.

Rekler D, et al. (2022) Completion of neural crest cell production and emigration is regulated by retinoic-acid-dependent inhibition of BMP signaling. *eLife*, 11.

Letchuman S, et al. (2022) Transcription Factor Hb9 Is Expressed in Glial Cell Lineages in the Developing Mouse Spinal Cord. *eNeuro*, 9(6).

Miguel-Escalada I, et al. (2022) Pancreas agenesis mutations disrupt a lead enhancer controlling a developmental enhancer cluster. *Developmental cell*, 57(16), 1922.

Closser M, et al. (2022) An expansion of the non-coding genome and its regulatory potential underlies vertebrate neuronal diversity. *Neuron*, 110(1), 70.

Wind M, et al. (2021) In Vitro Generation of Posterior Motor Neurons from Human Pluripotent Stem Cells. *Current protocols*, 1(9), e244.

Wind M, et al. (2021) Defining the signalling determinants of a posterior ventral spinal cord identity in human neuromesodermal progenitor derivatives. *Development (Cambridge, England)*, 148(6).