

Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 23, 2025

MSX1+2 antibody - Jessell, T.M. / Brenner-Morton, S.; HHMI/Columbia University

RRID:AB_531788

Type: Antibody

Proper Citation

(DSHB Cat# 4G1, RRID:AB_531788)

Antibody Information

URL: http://antibodyregistry.org/AB_531788

Proper Citation: (DSHB Cat# 4G1, RRID:AB_531788)

Target Antigen: MSX1+2

Host Organism: mouse

Clonality: monoclonal

Comments: Application(s): Gel

Supershift, Immunofluorescence, Immunohistochemistry, Western Blot; Date Deposited: 07/09/1997

Antibody Name: MSX1+2 antibody - Jessell, T.M. / Brenner-Morton, S.; HHMI/Columbia University

Description: This monoclonal targets MSX1+2

Target Organism: Human, Rat, Mouse, Chicken, Amphibian

Defining Citation: [PMID:20392740](#), [PMID:20960561](#), [PMID:21807879](#), [PMID:15456894](#), [PMID:17060321](#), [PMID:15580632](#), [PMID:16600910](#), [PMID:18292231](#), [PMID:17301089](#), [PMID:7553857](#), [PMID:17303106](#), [PMID:15148302](#), [PMID:20478300](#)

Antibody ID: AB_531788

Vendor: DSHB

Catalog Number: 4G1

Record Creation Time: 20231110T044228+0000

Record Last Update: 20241115T061223+0000

Ratings and Alerts

No rating or validation information has been found for MSX1+2 antibody - Jessell, T.M. / Brenner-Morton, S.; HHMI/Columbia University.

No alerts have been found for MSX1+2 antibody - Jessell, T.M. / Brenner-Morton, S.; HHMI/Columbia University.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 16 mentions in open access literature.

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

Atsuta Y, et al. (2024) Direct reprogramming of non-limb fibroblasts to cells with properties of limb progenitors. *Developmental cell*, 59(3), 415.

Washausen S, et al. (2021) Responses of Epibranchial Placodes to Disruptions of the FGF and BMP Signaling Pathways in Embryonic Mice. *Frontiers in cell and developmental biology*, 9, 712522.

Ferguson JW, et al. (2018) Stage-specific roles of Ezh2 and Retinoic acid signaling ensure calvarial bone lineage commitment. *Developmental biology*, 443(2), 173.

Martínez-Morales PL, et al. (2011) FGF and retinoic acid activity gradients control the timing of neural crest cell emigration in the trunk. *The Journal of cell biology*, 194(3), 489.

Betters E, et al. (2010) Analysis of early human neural crest development. *Developmental biology*, 344(2), 578.

Maier E, et al. (2010) Opposing Fgf and Bmp activities regulate the specification of olfactory sensory and respiratory epithelial cell fates. *Development (Cambridge, England)*, 137(10), 1601.

Shum AS, et al. (2010) Lack of motor neuron differentiation is an intrinsic property of the mouse secondary neural tube. *Developmental dynamics : an official publication of the American Association of Anatomists*, 239(12), 3192.

Hu JS, et al. (2008) Border formation in a Bmp gradient reduced to single dissociated cells. *Proceedings of the National Academy of Sciences of the United States of America*, 105(9), 3398.

Hens JR, et al. (2007) BMP4 and PTHrP interact to stimulate ductal outgrowth during embryonic mammary development and to inhibit hair follicle induction. *Development (Cambridge, England)*, 134(6), 1221.

Suzuki M, et al. (2007) Transgenic *Xenopus* with prx1 limb enhancer reveals crucial contribution of MEK/ERK and PI3K/AKT pathways in blastema formation during limb regeneration. *Developmental biology*, 304(2), 675.

Lee H, et al. (2006) PIAS1 confers DNA-binding specificity on the Msx1 homeoprotein. *Genes & development*, 20(7), 784.

Hassan MQ, et al. (2006) BMP2 commitment to the osteogenic lineage involves activation of Runx2 by DLX3 and a homeodomain transcriptional network. *The Journal of biological chemistry*, 281(52), 40515.

Schnapp E, et al. (2005) Quantitative evaluation of morpholino-mediated protein knockdown of GFP, MSX1, and PAX7 during tail regeneration in *Ambystoma mexicanum*. *Developmental dynamics : an official publication of the American Association of Anatomists*, 232(1), 162.

Hassan MQ, et al. (2004) Dlx3 transcriptional regulation of osteoblast differentiation: temporal recruitment of Msx2, Dlx3, and Dlx5 homeodomain proteins to chromatin of the osteocalcin gene. *Molecular and cellular biology*, 24(20), 9248.

Chizhikov VV, et al. (2004) Control of roof plate formation by Lmx1a in the developing spinal cord. *Development (Cambridge, England)*, 131(11), 2693.

Liem KF, et al. (1995) Dorsal differentiation of neural plate cells induced by BMP-mediated signals from epidermal ectoderm. *Cell*, 82(6), 969.