

Resource Summary Report

Generated by [RRID](#) on Sep 7, 2026

Recombinant Anti-Sp7 / Osterix antibody [EPR21034]

RRID:AB_2892207

Type: Antibody

Proper Citation

Abcam Cat# ab209484, RRID:AB_2892207

Antibody Information

URL: http://antibodyregistry.org/AB_2892207

Proper Citation: Abcam Cat# ab209484, RRID:AB_2892207

Target Antigen: Sp7 / Osterix

Host Organism: rabbit

Clonality: recombinant monoclonal

Comments: Applications: WB, IP, IHC-Fr, IHC-P

Antibody Name: Recombinant Anti-Sp7 / Osterix antibody [EPR21034]

Description: This recombinant monoclonal targets Sp7 / Osterix

Target Organism: rat, mouse, human

Clone ID: EPR21034

Antibody ID: AB_2892207

Vendor: Abcam

Catalog Number: ab209484

Record Creation Time: 20231110T031632+0000

Record Last Update: 20260831T212115+0000

Ratings and Alerts

No rating or validation information has been found for Recombinant Anti-Sp7 / Osterix antibody [EPR21034].

No alerts have been found for Recombinant Anti-Sp7 / Osterix antibody [EPR21034].

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 28 mentions in open access literature.

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

Jiang J, et al. (2026) GPNMB+ macrophages promote osteogenic differentiation of nucleus pulposus cells through PDGF signaling in intervertebral disc degeneration. *Cell reports. Medicine*, 7(7), 102886.

Tang XT, et al. (2026) Mapping the Tissue-of-Origins of Mesenchymal Stromal Cells in Injury Repair. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 13(3), e09533.

Yu L, et al. (2026) HDAC4 regulates hASC osteogenesis and bone regeneration by mediating SMAD4 via histone acetylation. *Stem cell reports*, 21(7), 102955.

L??pez-Fuentes E, et al. (2026) Epigenetic and Transcriptional Programs Define Osteosarcoma Subtypes and Establish Targetable Vulnerabilities. *Cancer discovery*, 16(2), 296.

Ma F, et al. (2026) CSF1R+ macrophage and osteoclast depletion impairs neural crest proliferation and craniofacial morphogenesis. *Development (Cambridge, England)*, 153(16).

Xiang T, et al. (2025) Loss of SMN Impairs Osteoblast-Osteoclast Coupling via IGF1-Akt-OPG Axis in Spinal Muscular Atrophy. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 39(20), e71095.

Zhu S, et al. (2025) Fine-tuning of Wnt signaling by RNA surveillance factor Smg5 in the mouse craniofacial development. *iScience*, 28(3), 111972.

Li Y, et al. (2025) Nrf2/Nlrp3 signaling in aging BMSCs: Traf6 intervention as a novel approach to osteoporosis treatment. *Redox biology*, 86, 103804.

Polsani N, et al. (2024) Mesenchymal Wnts are required for morphogenetic movements of calvarial osteoblasts during apical expansion. *Development (Cambridge, England)*, 151(12).

Feng X, et al. (2024) Apical expansion of calvarial osteoblasts and suture patency is dependent on fibronectin cues. *Development (Cambridge, England)*, 151(7).

Liu YL, et al. (2024) Fibrous periosteum repairs bone fracture and maintains the healed bone throughout mouse adulthood. *Developmental cell*, 59(9), 1192.

Chen Y, et al. (2024) Modifying MSCs-derived EVs with esterase-responsive and charge-reversal cationic polymers enhances bone regeneration. *iScience*, 27(9), 110801.

Alexander KA, et al. (2024) A glucocorticoid spike derails muscle repair to heterotopic ossification after spinal cord injury. *Cell reports. Medicine*, 5(12), 101849.

Gong Y, et al. (2023) Loss of RanGAP1 drives chromosome instability and rapid tumorigenesis of osteosarcoma. *Developmental cell*, 58(3), 192.

Shang J, et al. (2023) Resistin targets TAZ to promote osteogenic differentiation through PI3K/AKT/mTOR pathway. *iScience*, 26(7), 107025.

Huang B, et al. (2023) Developmental potency of human ES cell-derived mesenchymal stem cells revealed in mouse embryos following blastocyst injection. *Cell reports*, 42(12), 113459.

Blain R, et al. (2023) A tridimensional atlas of the developing human head. *Cell*, 186(26), 5910.

Ma S, et al. (2023) Skeletal muscle-derived extracellular vesicles transport glycolytic enzymes to mediate muscle-to-bone crosstalk. *Cell metabolism*, 35(11), 2028.

Arostegui M, et al. (2023) Hic1 identifies a specialized mesenchymal progenitor population in the embryonic limb responsible for bone superstructure formation. *Cell reports*, 42(4), 112325.

Guo J, et al. (2023) Exosome-based bone-targeting drug delivery alleviates impaired osteoblastic bone formation and bone loss in inflammatory bowel diseases. *Cell reports. Medicine*, 4(1), 100881.