Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 4, 2025

Human/Mouse/Rat SOX2 Antibody

RRID:AB_355110
Type: Antibody

Proper Citation

(R and D Systems Cat# AF2018, RRID:AB_355110)

Antibody Information

URL: http://antibodyregistry.org/AB_355110

Proper Citation: (R and D Systems Cat# AF2018, RRID:AB_355110)

Target Antigen: SOX2

Host Organism: Goat

Clonality: polyclonal

Comments: Applications: Western Blot, Simple Western, Immunohistochemistry, Chromatin Immunoprecipitation (ChIP), Immunocytochemistry

Antibody Name: Human/Mouse/Rat SOX2 Antibody

Description: This polyclonal targets SOX2

Target Organism: Human, Rat, Mouse

Defining Citation: PMID:22700217

Antibody ID: AB_355110

Vendor: R and D Systems

Catalog Number: AF2018

Alternative Catalog Numbers: AF2018-SP

Record Creation Time: 20241016T222925+0000

Record Last Update: 20241016T225904+0000

Ratings and Alerts

- Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:TRUE, NonFunctional in human:FALSE, Functional in animal:FALSE, NonFunctional in animal:FALSE - NYU Langone's Center for Biospecimen Research and Development https://med.nyu.edu/research/scientific-cores-shared-resources/center-biospecimen-research-development

No alerts have been found for Human/Mouse/Rat SOX2 Antibody.

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 207 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Walvekar AS, et al. (2025) Failure to repair damaged NAD(P)H blocks de novo serine synthesis in human cells. Cellular & molecular biology letters, 30(1), 3.

Huang LY, et al. (2025) Maintaining moderate levels of hypochlorous acid promotes neural stem cell proliferation and differentiation in the recovery phase of stroke. Neural regeneration research, 20(3), 845.

Cubillos P, et al. (2024) The growth factor EPIREGULIN promotes basal progenitor cell proliferation in the developing neocortex. The EMBO journal, 43(8), 1388.

Rodríguez-Moreno CB, et al. (2024) Azithromycin preserves adult hippocampal neurogenesis and behavior in a mouse model of sepsis. Brain, behavior, and immunity, 117, 135.

Foucault L, et al. (2024) Neonatal brain injury unravels transcriptional and signaling changes underlying the reactivation of cortical progenitors. Cell reports, 43(2), 113734.

Murakami S, et al. (2024) Somatostatin affects GnRH neuronal development and migration and stimulates olfactory-related fiber fasciculation. Developmental neurobiology, 84(1), 3.

Wang W, et al. (2024) DCX knockout ferret reveals a neurogenic mechanism in cortical development. Cell reports, 43(8), 114508.

Lehr S, et al. (2024) Self-organized pattern formation in the developing mouse neural tube by a temporal relay of BMP signaling. Developmental cell.

Goodkey K, et al. (2024) Olfactory bulb anomalies in KBG syndrome mouse model and patients. BMC medicine, 22(1), 158.

Zhang Y, et al. (2024) Translocation of telomerase reverse transcriptase coincided with ATP release in postnatal cochlear supporting cells. Neural regeneration research, 19(5), 1119.

Atamian A, et al. (2024) Human cerebellar organoids with functional Purkinje cells. Cell stem cell, 31(1), 39.

Zou W, et al. (2024) Lysosomal dynamics regulate mammalian cortical neurogenesis. Developmental cell, 59(1), 64.

Kim KH, et al. (2024) Integrated proteogenomic characterization of glioblastoma evolution. Cancer cell, 42(3), 358.

Villegas LD, et al. (2024) Generation of three isogenic gene-edited Huntington's disease human embryonic stem cell lines with DOX-inducible NGN2 expression cassette in the AAVS1 safe locus. Stem cell research, 77, 103408.

Liang S, et al. (2024) Protocol for deriving human preimplantation epiblast stem cells and 8-cell embryo-like cells. STAR protocols, 5(4), 103446.

Chander A, et al. (2024) Loss of KANSL3 leads to defective inner cell mass and early embryonic lethality. Molecular reproduction and development, 91(5), e23760.

Bolondi A, et al. (2024) Reconstructing axial progenitor field dynamics in mouse stem cell-derived embryoids. Developmental cell, 59(12), 1489.

Zhao Y, et al. (2024) Nr5a2 ensures inner cell mass formation in mouse blastocyst. Cell reports, 43(3), 113840.

Kagoshima H, et al. (2024) EBF1 Limits the Numbers of Cochlear Hair and Supporting Cells and Forms the Scala Tympani and Spiral Limbus during Inner Ear Development. The Journal of neuroscience : the official journal of the Society for Neuroscience, 44(7).

Hu R, et al. (2024) Expanding GABAergic Neuronal Diversity in iPSC-Derived Disease Models. bioRxiv : the preprint server for biology.