

SOX10 Rabbit mAb

Catalog No: #49193



Package Size: #49193-1 50ul #49193-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

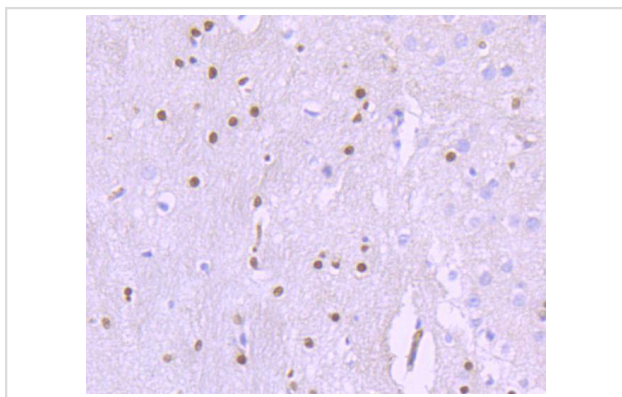
Description

Product Name	SOX10 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SD204-04
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC
Species Reactivity	Human;Mouse;Rat
Immunogen Description	recombinant protein
Conjugates	Unconjugated
Other Names	DOM antibody DOM antibody Dominant megacolon mouse human homolog of antibody MGC15649 antibody PCWH antibody SOX 10 antibody SOX10 antibody SOX10_HUMAN antibody SRY (sex determining region Y) box 10 antibody SRY (sex determining region Y) box 10 antibody SRY box 10 antibody SRY box containing gene 10 antibody SRY related HMG box gene 10 antibody SRY related HMG box gene 10 antibody Transcription factor SOX 10 antibody Transcription factor SOX-10 antibody WS2E antibody WS4 antibody WS4C antibody
Accession No.	Swiss-Prot#:P56693
Calculated MW	60 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

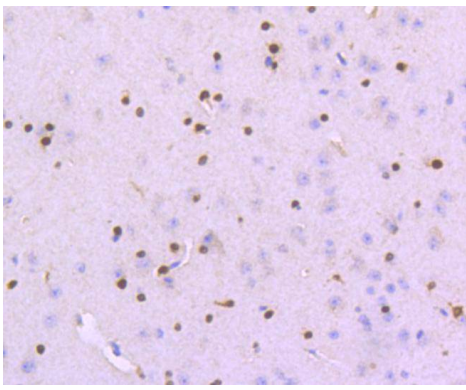
Application Details

WB: 1:1,000 IHC: 1:50-1:200 ICC: 1:50-1:200

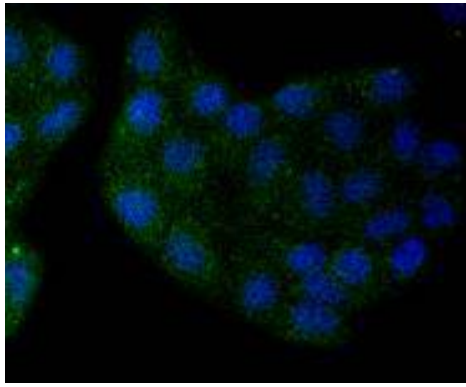
Images



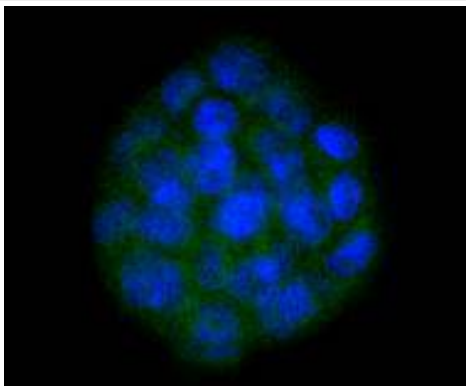
Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-SOX10 antibody. Counter stained with hematoxylin.



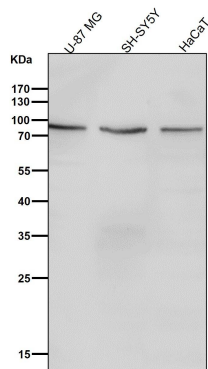
Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-SOX10 antibody. Counter stained with hematoxylin.



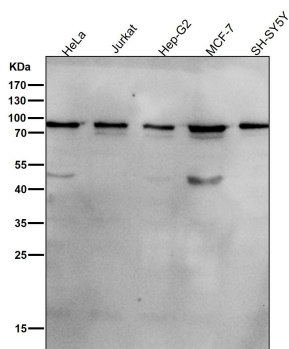
ICC staining SOX10 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining SOX10 in NCCIT cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.

Background

Sox genes comprise a family of genes that are related to the mammalian sex determining gene SRY. These genes similarly contain sequences that encode for the HMG-box domain, which is responsible for the sequence-specific DNA-binding activity. Sox genes encode putative transcriptional regulators implicated in the decision of cell fates during development and the control of diverse developmental processes. The highly complex group of Sox genes cluster at least 40 different loci that rapidly diverged in various animal lineages. At present, 30 Sox genes have been identified. Members of this family have been shown to be conserved during evolution and to play key roles during animal development. Some are involved in human diseases, including sex reversal.

References

1. Guye P et al. Genetically engineering self-organization of human pluripotent stem cells into a liver bud-like tissue using Gata6. *Nat Commun* 7:10243 (2016).
2. Arts N et al. microRNA-155, induced by interleukin-1?, represses the expression of microphthalmia-associated transcription factor (MITF-M) in melanoma cells. *PLoS One* 10:e0122517 (2015).

Published Papers

Lin Pochun, Cai Yimeng, Feng Ning, Yu Leixiao, Cao Shuqin, Yuan Quan et al., One-Pot Preparation of an Antioxidant, Anti-Inflammatory, and Analgesic Hydrogel for Oral Mucosal Lesions, *ACS applied materials & interfaces*, (2025)

[PMID:40522041](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.