

SOX2 Antibody

Catalog No: #48128



Package Size: #48128-1 50ul #48128-2 100ul

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

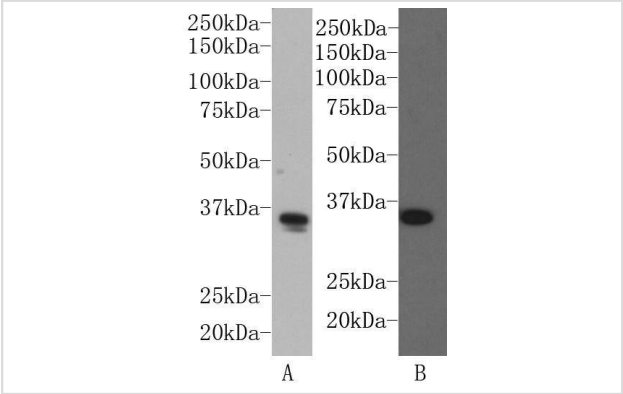
Description

Product Name	SOX2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Immunogen affinity purified
Applications	WB, IHC
Species Reactivity	Hu,Ms
Immunogen Description	peptide
Other Names	ANOP3 antibody cb236 antibody Delta EF2a antibody lcc antibody MCOPS3 antibody MGC148683 antibody MGC2413 antibody RGD1565646 antibody Sex determining region Y box 2 antibody SOX 2 antibody Sox2 antibody SOX2_HUMAN antibody SRY (sex determining region Y) box 2 antibody SRY box containing gene 2 antibody SRY related HMG box 2 antibody SRY related HMG box gene 2 antibody SRY-box 2 antibody Transcription factor SOX 2 antibody Transcription factor SOX-2 antibody ysb antibody
Accession No.	Swiss-Prot#:P48431
Uniprot	P48431
GeneID	6657;
Calculated MW	33kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

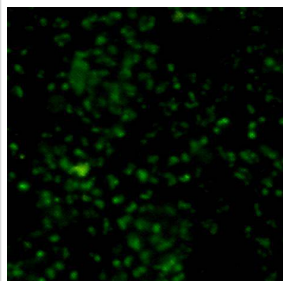
Application Details

WB: 1:500-1:1000ICC: 1:20-1:50

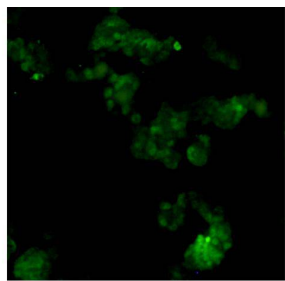
Images



Western blot analysis on F9 (A) and MCF-7(B) cell lysates using anti-SOX2 rabbit polyclonal antibody.



A



B

ICC image of SOX2 antibody stained human F9 cells (A) and NCCIT cells (B). The secondary antibody (green) was goat anti-rabbit IgG (H+L) FITC conjugated.

Background

SRY (sex determining region Y)-box 2, also known as SOX2, is a transcription factor that is essential to maintain self-renewal of undifferentiated embryonic stem cells. Sox2, Oct-4 and Nanog co-operate in this network, and siRNA knockdown of either Sox2 or Oct-4 results in loss of pluripotency. POU5F1/OCT4, SOX2, MYC/c-Myc and KLF4 are the four Yamanaka factors. When combined, these factors are sufficient to reprogram differentiated cells to an embryonic-like state designated iPS (induced pluripotent stem) cells

References

Note: This product is for in vitro research use only