

SOX2 Rabbit Polyclonal Antibody

Catalog No: #53255



Package Size: #53255-1 50ul #53255-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

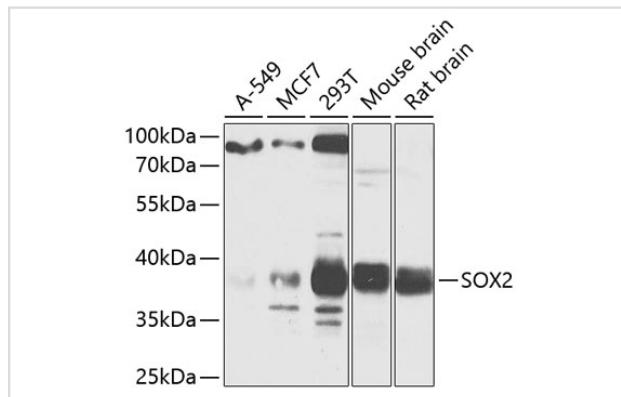
Description

Product Name	SOX2 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IF
Species Reactivity	Human;Mouse;Rat
Immunogen Description	Recombinant fusion protein of human SOX2 (NP_003097.1).
Conjugates	Unconjugated
Other Names	ANOP3;MCOPS3;SOX2;SRY-box 2
Accession No.	Swiss Prot:P48431GeneID:6657
Calculated MW	34kDa
SDS-PAGE MW	38kDa
Formulation	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

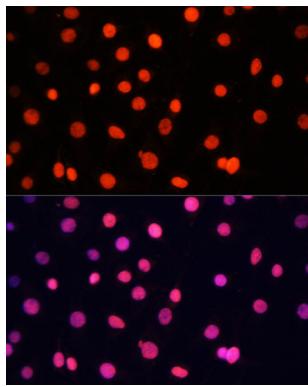
Application Details

WB □ 1:500 - 1:2000 IF □ 1:50 - 1:200

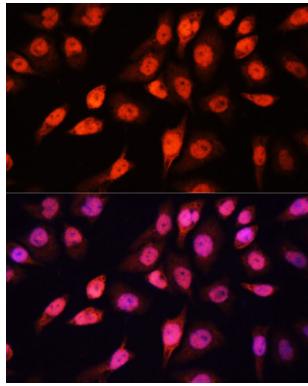
Images



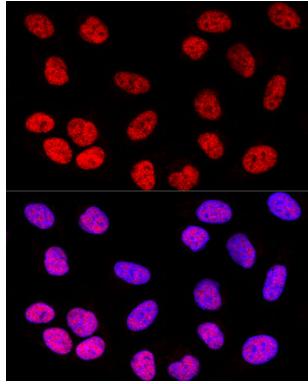
Western blot analysis of extracts of various cell lines, using SOX2 at 1:1000 dilution.



Immunofluorescence analysis of C6 cells using SOX2 Polyclonal at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of HeLa cells using SOX2 Polyclonal at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Confocal immunofluorescence analysis of U-2 OS cells using SOX2 Polyclonal at dilution of 1:200. Blue: DAPI for nuclear staining.

Background

This intronless gene encodes a member of the SRY-related HMG-box (SOX) family of transcription factors involved in the regulation of embryonic development and in the determination of cell fate. The product of this gene is required for stem-cell maintenance in the central nervous system, and also regulates gene expression in the stomach. Mutations in this gene have been associated with optic nerve hypoplasia and with syndromic microphthalmia, a severe form of structural eye malformation. This gene lies within an intron of another gene called SOX2 overlapping transcript (SOX2OT).

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