Product Datasheet

SOX2 Rabbit Polyclonal Antibody

Catalog No: #53255

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

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

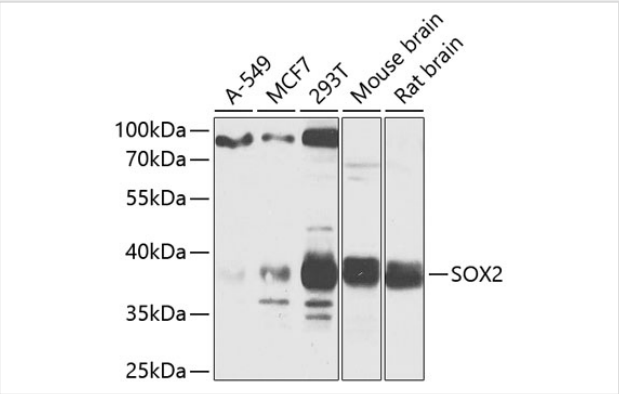
Description

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).
Other Names	ANOP3;MCOPS3;SOX2;SRY-box 2
Accession No.	Swiss Prot:P48431GeneID:6657
Uniprot	P48431
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.

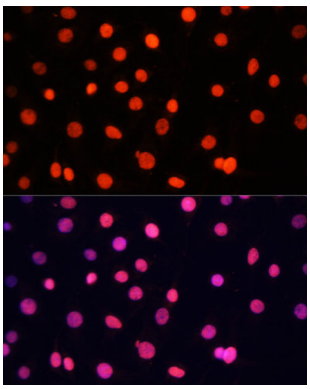
Application Details

WB□1:500 - 1:2000IF□1:50 - 1:200

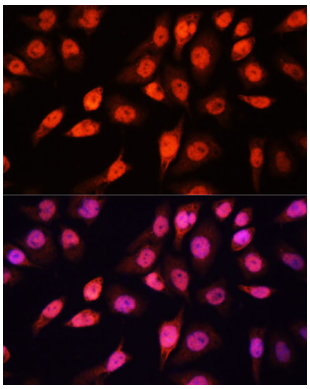
Images



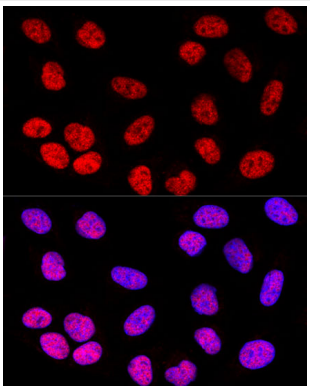
Western blot analysis of extracts of various cell lines, using SOX2 at 1:1000 dilution.



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