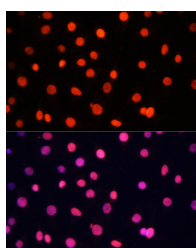


SOX2 Polyclonal Antibody

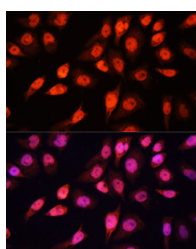
Catalog No.	E-AB-63542	Reactivity	H,M,R
Storage	Store at -20°C. Avoid freeze / thaw cycles.	Host	Rabbit
Applications	IF	Isotype	IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.

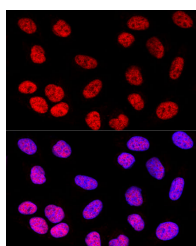
Images



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



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



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

Immunogen Information

Immunogen	Recombinant fusion protein of human SOX2 (NP_003097.1).
GeneID	6657
Swissprot	P48431
Synonyms	ANOP3,MCOPS3,SOX2,SRY-box 2

Product Information

Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purify	Affinity purification
Dilution	IF 1:50-1:200

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).

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