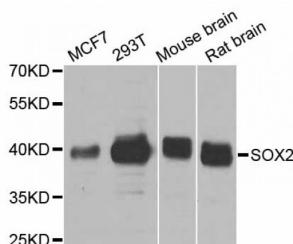
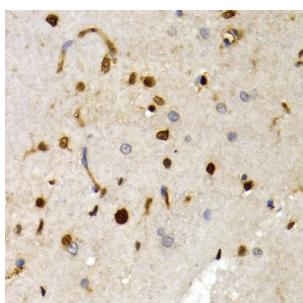


Sex Determining Region Y Box Protein 2 (SOX2) Antibody

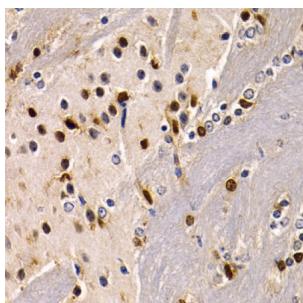
Catalogue No.: abx000763



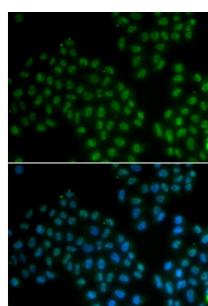
Western blot analysis of extracts of various cell lines, using SOX2 antibody (abx000763) at 1/1000 dilution.



Immunohistochemistry of paraffin-embedded rat brain using SOX2 antibody (abx000763) at dilution of 1/200 (40x lens).



Immunohistochemistry of paraffin-embedded mouse brain using SOX2 antibody (abx000763) at dilution of 1/200 (40x lens).



Immunofluorescence analysis of A549 cells using SOX2 antibody (abx000763).

SOX2 Antibody is a Rabbit Polyclonal antibody against SOX2. 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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Target: SOX2

Reactivity: Human, Mouse, Rat

Host: Rabbit

Clonality: Polyclonal

Tested Applications: WB, IHC, IF/ICC

Recommended dilutions: WB: 1/500 - 1/2000, IHC: 1/50 - 1/200, IF/ICC: 1/50 - 1/200. Optimal dilutions/concentrations should be determined by the end user.

Immunogen: Recombinant protein of human SOX2.

Purification: Affinity purified.

Form: Liquid

Isotype: IgG

Conjugation: Unconjugated

Storage: Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.

Molecular Weight: Calculated MW: 34 kDa
Observed MW: 39 kDa

Swiss Prot: [P48431](#)

GenelD: [6657](#)

Gene Symbol: SOX2

Concentration: > 1 mg/ml

Buffer: PBS, pH 7.3, 0.02% sodium azide, 50% glycerol.

Note: This product is for research use only.