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# **Recombinant Sox2 Monoclonal Antibody**

catalog number: AN300133P

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

### Description

Reactivity Human

**Immunogen** A synthetic peptide corresponding to the N-terminus of the human Sox2.

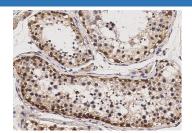
HostRabbitIsotypeIgGCloneA1247PurificationProtein A

Buffer 0.2 µm filtered solution in PBS

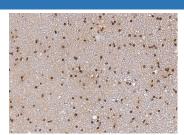
Applications Recommended Dilution

**IHC-P** 1:100-1:500

#### Data







Immunohistochemistry of paraffin-embedded human brain using Sox2 Monoclonal Antibody at dilution of 1:300.

# **Preparation & Storage**

Storage This antibody can be stored at 2°C-8°C for one month without detectable loss of

activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.

Shipping Ice bag

## **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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