

Recombinant Sox2 Monoclonal Antibody

catalog number: AN300133P

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

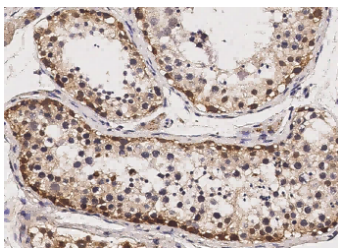
Description

Reactivity	Human
Immunogen	A synthetic peptide corresponding to the N-terminus of the human Sox2.
Host	Rabbit
Isotype	IgG
Clone	3G3
Purification	Protein A
Buffer	0.2 µm filtered solution in PBS

Applications Recommended Dilution

IHC-P	1:100-1:500
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Data



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



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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