Recombinant Sox2 Monoclonal Antibody

catalog number: **AN300133P**

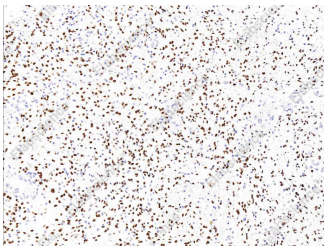
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

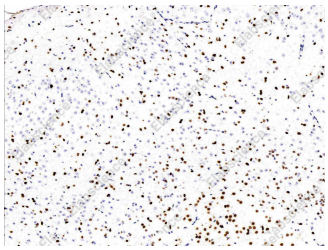
Reactivity	Human;Mouse;Rat
Immunogen	A synthetic peptide corresponding to the N-terminus of the human Sox2.
Host	Rabbit
Isotype	Rabbit IgG
Clone	C110094
Purification	Protein A
Buffer	0.2 μm filtered solution in PBS

Applications	Recommended Dilution
WB:	1:1000；IHC-P: 1:200-1:500；ICC/IF: 1:200；FC: 1:500-1:1000

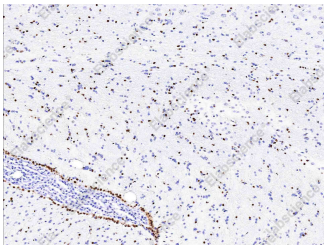
Data



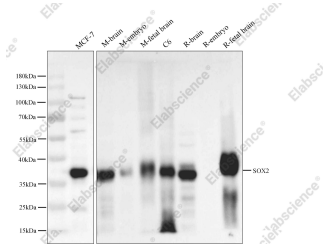
Immunohistochemical analysis of paraffin-embedded Human glioma tissue sections using Sox2 Antibody (AN300133P) at a dilution of 1:300 (10× lens). Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0) for 20 min prior to IHC staining.



Immunohistochemical analysis of paraffin-embedded Mouse brain tissue sections using Sox2 Antibody (AN300133P) at a dilution of 1:300 (10× lens). Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0) for 20 min prior to IHC staining.



Immunohistochemical analysis of paraffin-embedded Rat brain tissue sections using Sox2 Antibody (AN300133P) at a dilution of 1:300 (10× lens). Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0) for 20 min prior to IHC staining.



Western blot analysis of MCF-7,Mouse brain,Mouse embryo,Mouse fetal brain,C6,Rat brain,Rat embryo and Rat fetal brain cell lysates using Sox2 Antibody (AN300133P) at a dilution of 1:1000.

Observed-MW:37 kDa

Calculated-MW:34 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid 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). [provided by RefSeq, Jul 2008]

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