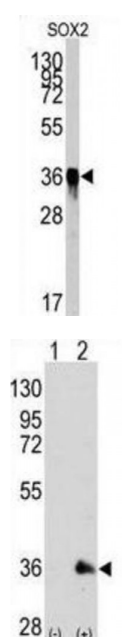
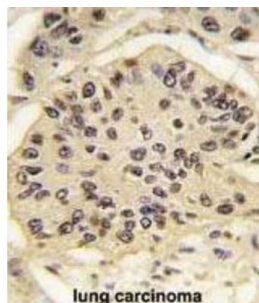


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## Sex Determining Region Y Box Protein 2 (SOX2) Antibody

Catalogue No.: abx025415



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).

<b>Target:</b>	SOX2
<b>Reactivity:</b>	Human
<b>Host:</b>	Mouse
<b>Clonality:</b>	Monoclonal
<b>Tested Applications:</b>	WB, IHC, IF/ICC, FCM

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**Recommended dilutions:** Optimal dilutions/concentrations should be determined by the end user.

**Immunogen:** Human SOX2.

**Purification:** Purified Mouse Monoclonal Antibody.

**Isotype:** IgG<sub>1</sub>

**Conjugation:** Unconjugated

**Specificity:** SOX2 recombinant protein is used to produce this monoclonal antibody.

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

**Swiss Prot:** [P48431](#)

**NCBI Accession:** NP\_003097.1

**Buffer:** PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.

**Note:** This product is for research use only.