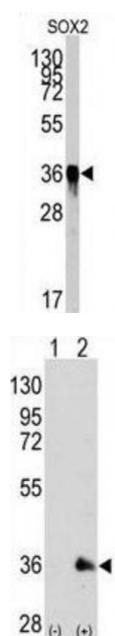
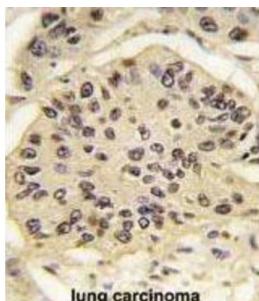


Sex Determining Region Y Box Protein 2 (SOX2) Antibody

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).

Target: SOX2

Reactivity: Human

Host: Mouse

Clonality: Monoclonal

Tested Applications: WB, IHC, IF/ICC, FCM

Abbexa Ltd, Innovation Centre, Cambridge Science Park, Cambridge, CB4 0EY, UK
Telephone: +44 (0) 1223 755950 - Fax: +44 (0) 1223 755951 - E-Mail: info@abbexa.com

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

Immunogen: Human SOX2.

Purification: Purified Mouse Monoclonal Antibody.

Isotype: IgG₁

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.