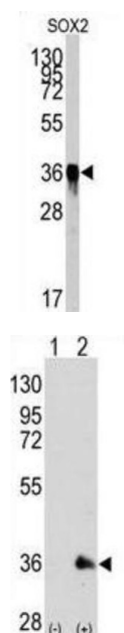
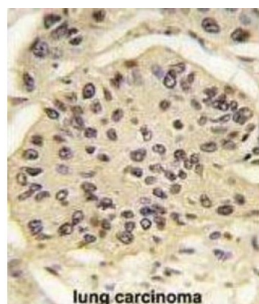


Transcription Factor SOX-2 (SOX2) Antibody

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: Transcription Factor SOX-2 (SOX2)

Clonality: Monoclonal

Reactivity: Human

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

Host: Mouse

Datasheet

Version: 3.0.0
Revision date: 13 Aug 2025



Recommended dilutions: WB: 1/4000, IHC-P: 1/50 - 1/100, IF/ICC: 1/10 - 1/50, FCM: 1/10 - 1/50. Not tested in IHC-F.
Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: Human SOX2 recombinant protein

Epitope Region: SOX2 recombinant protein

Isotype: IgG₁

Form: Liquid

Purification: Purified through a protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.

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

UniProt Primary AC: P48431 ([UniProt](#), [ExPASy](#))

NCBI Accession: NP_003097.1

KEGG: hsa:6657

String: [9606.ENSP00000323588](#)

Molecular Weight: Calculated MW: 34.3 kDa

Buffer: PBS containing 0.09% sodium azide.

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.