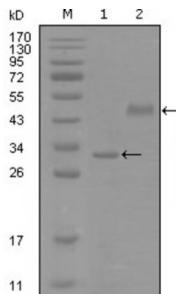


Sex Determining Region Y Box Protein 2 (SOX2) Antibody

Catalogue No.: abx011547



Western blot analysis using SOX2 antibody against truncated Trx-SOX2 recombinant protein (1) and truncated MBP-SOX2 (aa1-170) recombinant protein (2).

SOX2: SRY (sex determining region Y)-box 2. Entrez Protein NP003097. It is 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: ELISA, WB

Recommended dilutions: ELISA: 1/10000, WB: 1/500 - 1/2000. Optimal dilutions/concentrations should be determined by the end user.

Immunogen: Purified recombinant fragment of SOX2 (aa1-170) expressed in E. Coli.

Purification: Unpurified Ascites.

Isotype: IgG₁

Conjugation: Unconjugated

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

Molecular Weight: 34.3 kDa

Swiss Prot: [P48431](#)

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GeneID: [6657](#)

Gene Symbol: SOX2

OMIM: [184429](#)

HGNC: 11195

Ensembl: ENSG00000181449

Buffer: Ascitic fluid containing 0.03% sodium azide.

Note: This product is for research use only.