

Product Datasheet

SOX2 Antibody

Catalog No: CY5268

Reactivity: Human Mouse

Isotype: Rabbit IgG

Applications: WB IHC ICC/IF



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Information

UniProt ID: P48431

All Names: SOX2; ANOP3; MCOPS3; MGC2413; lcc; SRY related HMG box 2;

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 34 kDa

Application

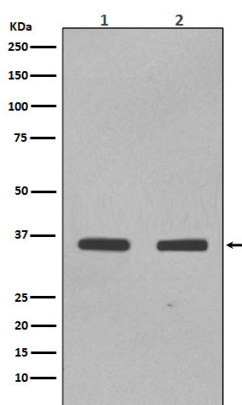
WB: 1:1000~1:2000

IHC: 1:50~1:200

ICC/IF: 1:50~1:200

Background

Transcription factor that forms a trimeric complex with OCT4 on DNA and controls the expression of a number of genes involved in embryonic development such as YES1, FGF4, UTF1 and ZFP206 (By similarity). Critical for early embryogenesis and for embryonic stem cell pluripotency. May function as a switch in neuronal development. Downstream SRRT target that mediates the promotion of neural stem cell self-renewal (By similarity). Keeps neural cells undifferentiated by counteracting the activity of proneural proteins and suppresses neuronal differentiation (By similarity).



Western blot analysis of SOX2 expression in (1)NCCIT cell lysate; (2)F9 cell lysate.

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