

SOX2 Antibody

Catalog No: T55268

Reactivity: Human Mouse

Isotype: Rabbit IgG

Applications: WB IHC ICC/IF



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400-6123-828

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:Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

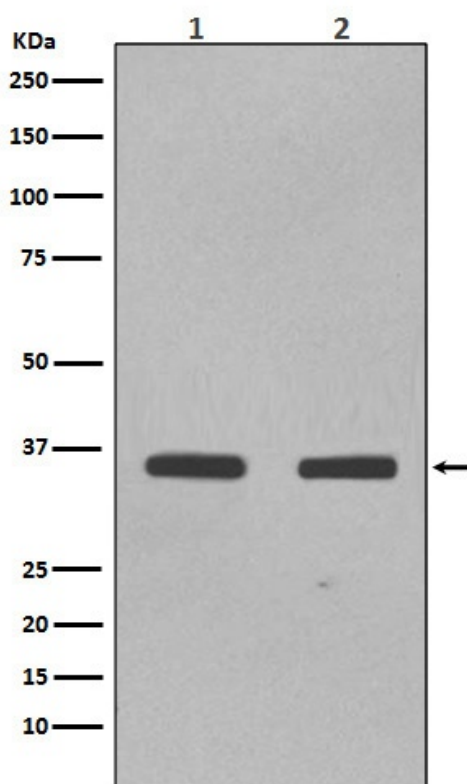
Molecular Wt.: 34kDa

Application

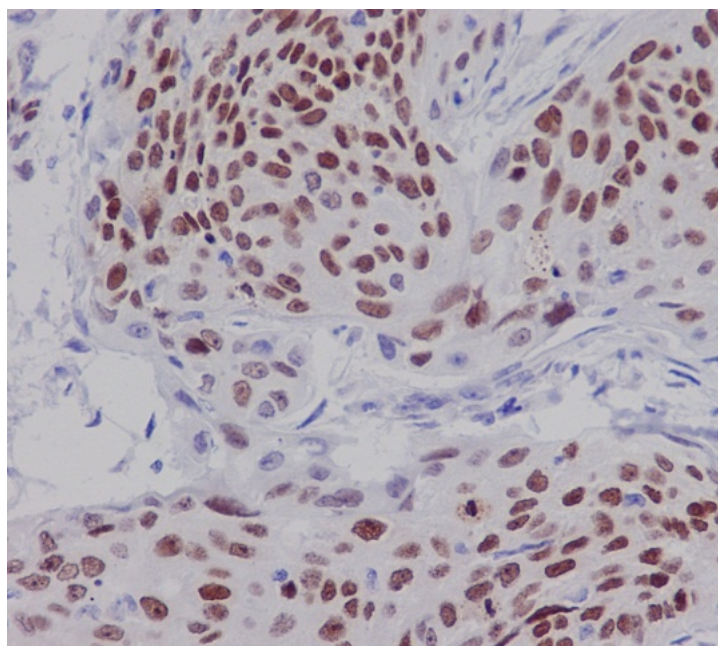
WB 1:1000~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200

Background

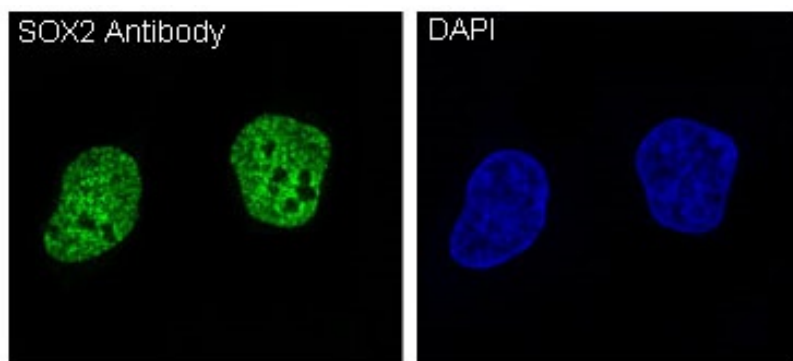
Transcription factor that forms a trimeric complex with OCT4 on DNA and controls the expression of a number of genes involved in embryonic development such as YES1, FGF4, UTF1 and ZFP206 (By similarity). Critical for early embryogenesis and for embryonic stem cell pluripotency. May function as a switch 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.



Immunohistochemical analysis of paraffin-embedded human cervix carcinoma, using SOX2 Antibody.



Immunofluorescent analysis of NCCIT cells, using SOX2 Antibody .