

<b>Cat. No:</b>	MAB-90964
<b>Conjugate:</b>	Unconjugated
<b>Size:</b>	100 ul
<b>Clone:</b>	10F10
<b>Concentration:</b>	1mg/ml
<b>Host:</b>	Ms
<b>Isotype:</b>	IgG1
<b>Immunogen:</b>	Purified recombinant fragment of human SOX2 expressed in E. Coli.
<b>Reactivity:</b>	Hu
<b>Applications:</b>	Western Blotting: 1/250 - 1/1000. Immunohistochemistry: 1/100 - 1/500. Immunofluorescence: 1/100 - 1/500. ELISA: Propose dilution 1/5000. Not yet tested in other applications. Determining optimal working dilutions by titration test.
<b>Molecular Weight:</b>	Calculated MW: 34kDa Observed MW: ~65kDa
<b>Purification:</b>	Aff. Pur.
<b>Background:</b>	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. Critical for early embryogenesis and for embryonic stem cell pluripotency.
<b>Form:</b>	Liquid
<b>Buffer:</b>	Ascitic fluid containing 0.03% sodium azide.
<b>Storage:</b>	Store at 4°, for long term storage, store at -20°.

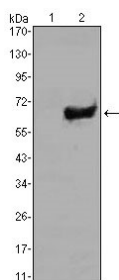
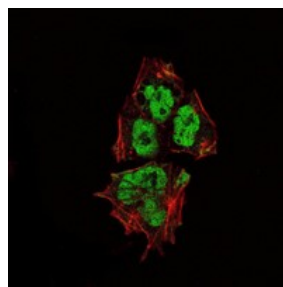
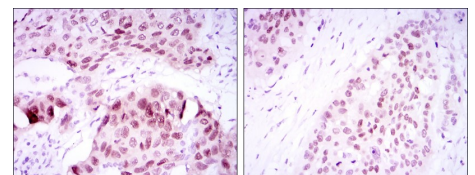


Figure 1: Western blot analysis using SOX2 mAb against HEK293 (1) and SOX2-hlgGfc transfected HEK293 (2) cell lysate.



Immunofluorescence analysis of NTERA-2 cells using SOX2 mouse mAb (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Immunohistochemical analysis of paraffin-embedded lung cancer tissues (left) and esophageal cancer tissues (right) using SOX2 mouse mAb with DAB staining

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