Product name:	SOX2
Cat number:	MAB-90964
Conjugate:	Unconjugated
Size:	100 ul
Clone:	10F10
Concentration:	1mg/ml
Host:	Ms
Isotype:	IgG1
Immunogen:	Purified recombinant fragment of human SOX2 expressed in E. Coli.
Reactivity:	Hu
Applications:	Western Bloting: 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.
Molecular Weight:	Calculated MW: 34kDa Observed MW: ~65kDa
Purification:	Aff. Pur.
Form:	Liquid
Buffer:	Ascitic fluid containing 0.03% sodium azide.
Storage:	Store at 4°, for long term storage, store at -20°.
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. Critical for early embryogenesis and for embryonic stem cell pluripotency.

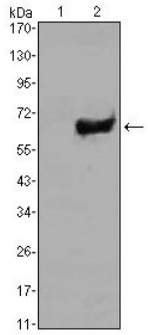
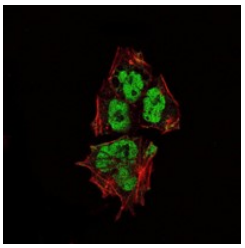
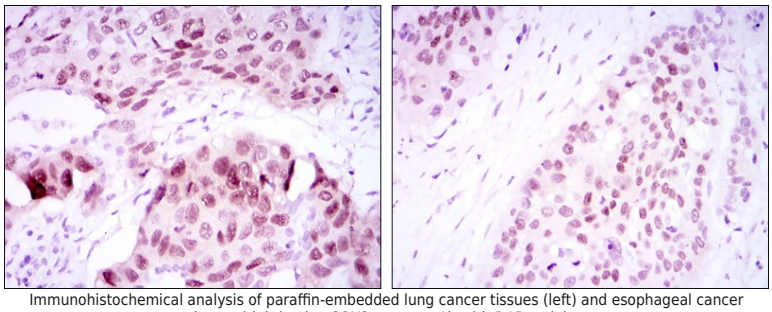


Figure 1: Western blot analysis using SOX2 mAb against HEK293 (1) and SOX2-hIgGFc transfected HEK293 (2) cell lysate.



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