



SOX2 Mouse Monoclonal Antibody

E10-30144

- 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.
- Catalog Number:** E10-30144
- Amount:** 100µg/100µl
- Clone Number:** 10F10
- Species:** Mouse IgG1
- MW:** 34kDa
- Aliases:** lcc; ysb; Sox-2; Sox2
- Entrez Gene:** 20674
- Immunogen:** Purified recombinant fragment of human SOX2 expressed in E. Coli.
- Storage:** Store at 4°C, for long term storage, store at -20°C.
- Formulation:** Ascitic fluid containing 0.03% sodium azide.
- Species Reactivities:** Human
- Tested Applications:** WB, IHC, IF, ELISA. Not yet tested in other applications.
- Application notes:** WB: 1/500 - 1/2000, IHC: 1/200 - 1/1000, IF: 1/200 - 1/1000, ELISA: Propose dilution 1/10000.

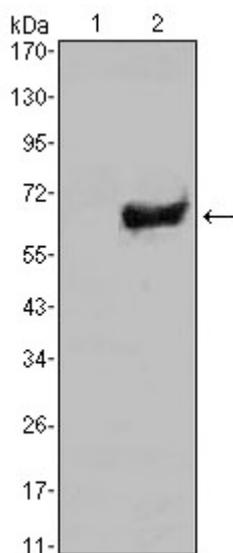


Figure 1: Western blot analysis using SOX2 mAb against HEK293 (1) and SOX2-hlgGfc transfected HEK293 (2) cell lysate.

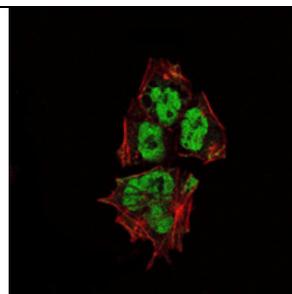


Figure 2: Immunofluorescence analysis of NTERA-2 cells using SOX2 mouse mAb (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

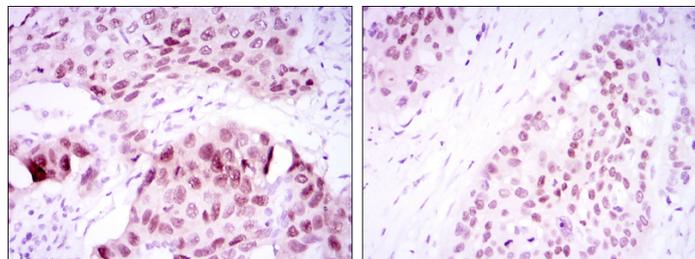


Figure 3: Immunohistochemical analysis of paraffin-embedded lung cancer tissues (left) and esophageal cancer tissues (right) using SOX2 mouse mAb with DAB staining.

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