



Category: Monoclonal Antibodies
Product Name: Mouse Monoclonal Antibody to SOX2

Catalog Number: MAB-606030144

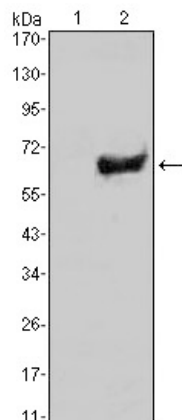


Figure 1: Western blot analysis using SOX2 mAb against HEK293 (1) and SOX2-hIgGFc transfected HEK293 (2) cell lysate.

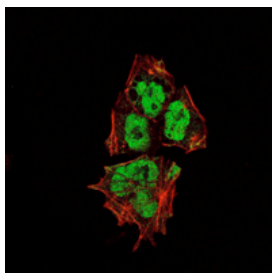


Figure 2: Immunofluorescence analysis of NTERA-2 cells using SOX2 mouse mAb (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

Lot#:
Clone#: 10F10
Host and isotype: Mouse IgG1
Size: 0.1ml
MW: 34kDa
Aliases: lcc; ysb; Sox-2; Sox2
Entrez Gene: 20674
Species reactivity: Human

Description 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.

Immunogen Purified recombinant fragment of human SOX2 expressed in E. Coli.

Application Western Blotting: 1/500 - 1/2000.
Immunohistochemistry: 1/200 - 1/1000.
Immunofluorescence: 1/200 - 1/1000.
ELISA: Propose dilution 1/10000.
Not yet tested in other applications.
Determining optimal working dilutions by titration test.

Formulation Ascitic fluid containing 0.03% sodium azide.

Storage Store at 4°C, for long term storage, store at -20°C.

Related product References 1. Proc Natl Acad Sci U S A. 2008 Nov 25;105(47):18396-401.
2. J Biol Chem. 2008 Nov 28;283(48):33730-5.
3. Nature. 2008 Oct 23;455(7216):1124-8.

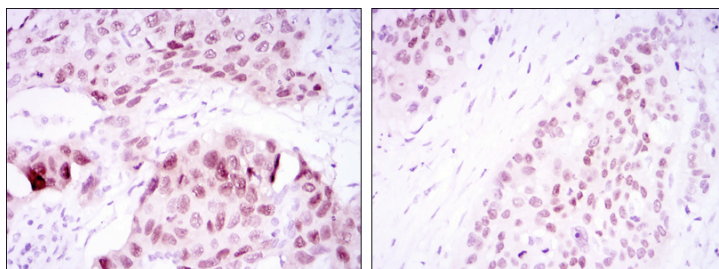


Figure 3: Immunohistochemical analysis of paraffin-embedded lung cancer tissues (left) and esophageal cancer tissues (right) using SOX2 mouse mAb with DAB staining.

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