Sox2 anti-Human/Mouse Antibody
Catalog Number: ST11001

Size: 100 µL
Concentration: 0.5 mg/mL
Species Reactivity: Human, Mouse
Host: Rat Monoclonal
Isotype: IgG2a, κ
Immunogen: Human Sox2 Recombinant Protein
Formulation: Phosphate-buffered solution containing 0.09% sodium azide, pH 7.2
Storage and Stability: Aliquot and store at -20°C. Avoid repeated freeze-thaw cycles. Stable for 6 months from date of receipt when stored as directed.

Applications Tested: Immunocytochemistry/Immunofluorescence (ICC/IF), Flow Cytometry (FC)
Recommended Dilutions: Immunocytochemistry/Immunofluorescence 1:100, Flow Cytometry 1:100

It is recommended that the antibody be titrated for optimal performance for each application.

Description:
The Sox2 or SRY (sex determining region Y)-box 2 transcription factor contains a high motility group DNA-binding domain which functions to bind and open the DNA helix, facilitating the actions of other transcription factors. The protein is essential for maintaining the self-renewal and pluripotency capabilities of embryonic stem (ES) cells and therefore is commonly used to characterize stem cell populations. Sox2 is an important functional marker of neural precursor cells and plays a critical role in neuronal differentiation.

Alternative Names: SRY (sex determining region Y)-box 2

References:

