

Anti-SOX-2 antibody



Description	Mouse monoclonal to SOX-2.
Model	STJ98555
Host	Mouse
Reactivity	Bovine, Human, Mouse, Rat, Sheep, Swine
Applications	WB
Immunogen	Purified recombinant human SOX-2 protein fragments expressed in E.coli.
Gene ID	6657
Gene Symbol	SOX2
Dilution range	WB 1:1000-1:2000
Specificity	SOX-2 Monoclonal Antibody detects endogenous levels of SOX-2 protein.
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Transcription factor SOX-2
Clonality	Monoclonal
Conjugation	Unconjugated
Formulation	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.

Database Links	HGNC:11195OMIM:184429
Alternative Names	Transcription factor SOX-2
Function	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. May function as a switch in neuronal development. Downstream SRRT target that mediates the promotion of neural stem cell self-renewal . Keeps neural cells undifferentiated by counteracting the activity of proneural proteins and suppresses neuronal differentiation .
Cellular Localization	Nucleus.
Post-translational Modifications	Sumoylation inhibits binding on DNA and negatively regulates the FGF4 transactivation.

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