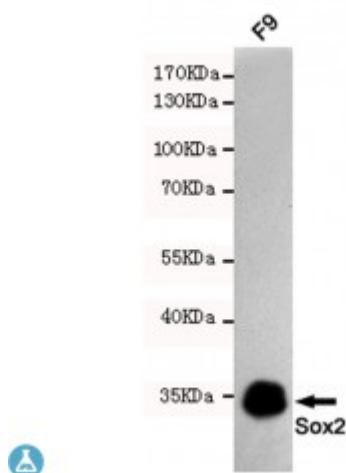


Anti-Sox2 antibody



Description	Mouse monoclonal to Sox2.
Model	STJ99043
Host	Mouse
Reactivity	Mouse
Applications	ELISA, WB
Immunogen	Purified recombinant mouse Sox2 protein fragments expressed in E.coli
Gene ID	6657
Gene Symbol	SOX2
Dilution range	WB 1:500-2000ELISA 1:10000-20000
Specificity	This antibody detects endogenous levels of Sox2 and does not cross-react with related proteins.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clone ID	2A10-F11-F12
Note	For Research Use Only (RUO).
Protein Name	Transcription factor SOX-2
Molecular Weight	35kDa
Clonality	Monoclonal
Conjugation	Unconjugated

Isotype	IgG1
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:11195 OMIM: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.