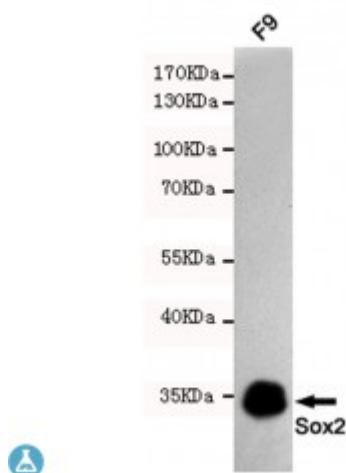


## Anti-Sox2 antibody



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

<b>Isotype</b>	IgG1
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Concentration</b>	1 mg/ml
<b>Storage Instruction</b>	Store at -20°C, and avoid repeat freeze-thaw cycles.
<b>Database Links</b>	<a href="#">HGNC:11195</a> <a href="#">OMIM:184429</a>
<b>Alternative Names</b>	Transcription factor SOX-2
<b>Function</b>	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 .
<b>Cellular Localization</b>	Nucleus.
<b>Post-translational Modifications</b>	Sumoylation inhibits binding on DNA and negatively regulates the FGF4 transactivation.