



Sox2

Mouse monoclonal Antibody

#53575

Catalog Number: 53575

Amount: 100µg/100µl

Swiss-Prot No. : P48431

Gene name:sox2

Gene id:20674

Clone Number: 2A10-F11-F12

Form of Antibody:Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol

Storage/Stability: Store at -20°C/1 year

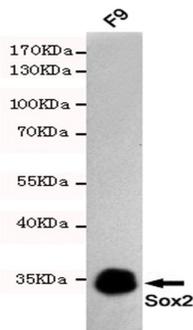
Immunogen: Purified recombinant mouse Sox2 protein fragments expressed in E.coli.

Purification: affinity-chromatography

Specificity/Sensitivity:This antibody detects endogenous levels of Sox2 and does not cross-react with related proteins

Reactivity: Mouse

Applications: Predicted MW: 35 kd WB: 1:1000 ICC:1:150



Western blot detection of Sox2 in F9 cell lysates using Sox2 mouse mAb (1:1000 diluted). Predicted band size:35KDa. Observed band size:35KDa.

Background :

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 by similarity.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 by similarity.Keeps neural cells undifferentiated by counteracting the activity of proneural proteins and suppresses neuronal differentiation by similarity.