
Product name:	SOX1 (8H16) Rabbit Monoclonal Antibody
Cat number:	MABN18122
Conjugate:	Unconjugated
Size:	100µL
Clone:	Monoclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	A synthetic peptide of human SOX1
Reactivity:	Human,Mouse,Rat
Applications:	WB 1:500-1:2000,ICC/IF 1:100-1:200,FC 1:50-1:200
Molecular Weight:	39kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.
Background:	Sox (Sry-related box) genes encode a family of transcription factors that play a myriad of roles in developmental processes. Sox1 and Sox2 are the earliest markers that identify neuroectodermal tissue, and these markers, together with Sox9 collectively mark neuronal stem cells (NSC's) that are present in neurogenically active areas of the mature rodent brain. Sox1 is thought to maintain the cell cycle and promote self renewal in NSCs. Transcriptional activator. May function as a switch in neuronal development. Keeps neural cells undifferentiated by counteracting the activity of proneural proteins and suppresses neuronal differentiation (By similarity).