10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SOX1 Antibody

Rabbit mAb
Catalog # AP90825

Product Information

Application	WB, IHC, IF, ICC, IHF
Primary Accession	O00570
Reactivity	Human, Mouse
Clonality	Monoclonal
Other Names	Sex determining region Y box 1; sox1; SRY; SRY box containing gene 1; SRY related HMG box gene 1; Transcription factor Sox-1;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	39023

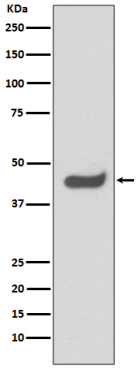
Additional Information

Dilution	WB 1:1000~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human SOX1
Description	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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	SOX1
Function	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).
Cellular Location	Nucleus.
Tissue Location	Mainly expressed in the developing central nervous system

Images



Western blot analysis of SOX1 expression in HeLa cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.