

Anti-SOX1 Picoband Antibody

Catalog # ABO12094

Product Information

Application	WB
Primary Accession	O00570
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Transcription factor SOX-1(SOX1) detection. Tested with WB in Human;Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	6656
Other Names	Transcription factor SOX-1, SOX1
Calculated MW	39023
Application Details	Western blot, 0.1-0.5 µg/ml, Mouse, Rat, Human
Subcellular Localization	Nucleus .
Tissue Specificity	Mainly expressed in the developing central nervous system.
Source	Eukaryota
Protein Name	Transcription factor SOX-1
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of Human SOX1(215-248aa QHPGAGGAHPHAHPAHPHPHHPHAHPHNPQPMHR), identical to the related mouse sequence.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins.
Storage	At -20° C for one year. After r° Constitution, at 4° C for one month. It° Can also be aliquotted and stored frozen at -20° C for a longer time.Avoid repeated freezing and thawing.

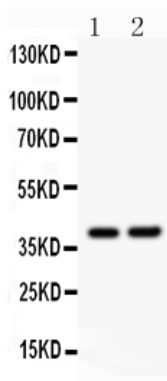
Protein Information

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

Background

SOX1 (for Sex determining region Y-box 1), located in 13q34, is a transcription factor in the Sox protein family. It means that this intronless gene encodes a member of the SOX (SRY-related HMG-box) family of transcription factors involved in the regulation of embryonic development and in the determination of the cell fate. The encoded protein may act as a transcriptional activator after forming a protein complex with other proteins. In mice, a similar protein regulates the gamma-crystallin genes and is essential for lens development. SOX1 expression is restricted to neuroectodermin the tetrapod embryo. It is expressed particularly in the ventral striatum.

Images



Anti- SOX1 Picoband antibody, ABO12094, Western blottingAll lanes: Anti SOX1 (ABO12094) at 0.5ug/mlLane 1: Rat Brain Tissue Lysate at 50ugLane 2: NIH3T3 Whole Cell Lysate at 40ugPredicted bind size: 39KDObserved bind size: 39KD

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