

Anti-SOX1 Picoband Antibody
Catalog # ABO12094**Specification**

Anti-SOX1 Picoband Antibody - 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.

Anti-SOX1 Picoband Antibody - Additional Information

Gene ID 6656

Other Names

Transcription factor SOX-1, SOX1

Calculated MW

39023 MW KDa

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.

Protein Name

Transcription factor SOX-1

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Na₃.

Immunogen

A synthetic peptide corresponding to a sequence in the middle region of Human SOX1(215-248aa QHPGAGGAHPHAHPAHPHPHHPHAHPHNPPQPMHR), 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 reconstitution, 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.

Anti-SOX1 Picoband Antibody - 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.

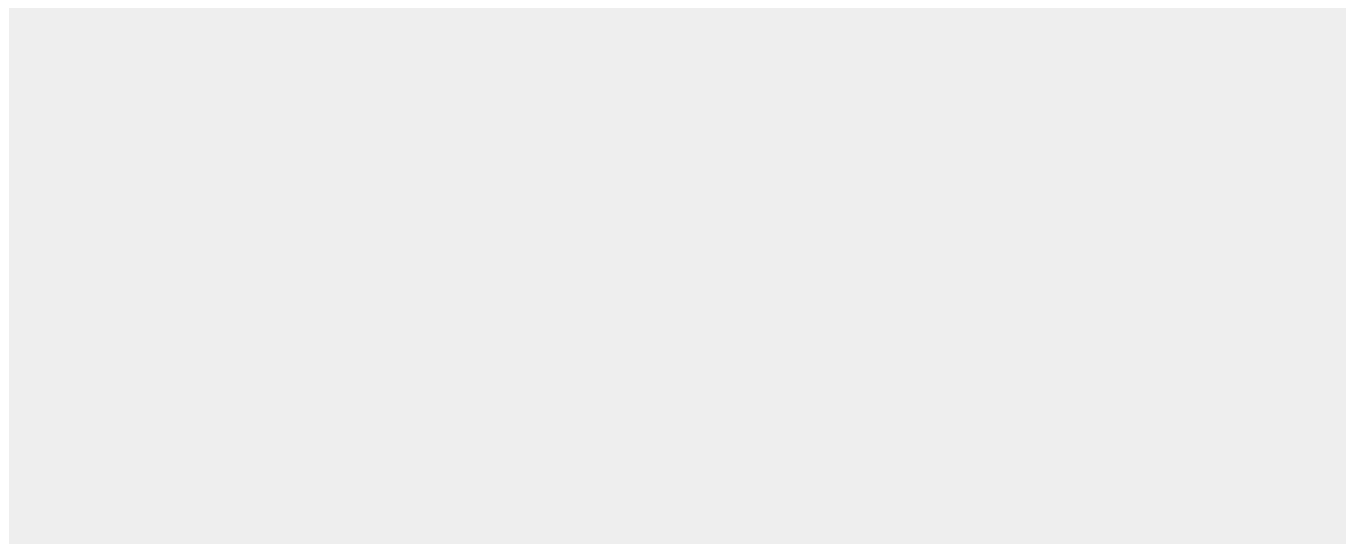
Tissue Location

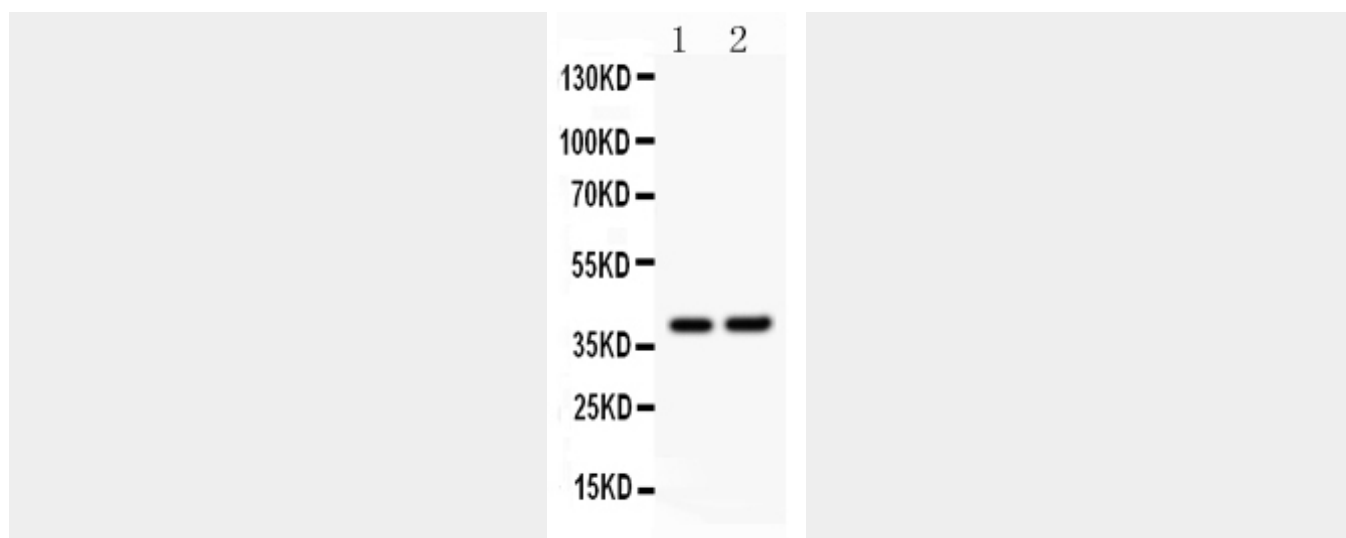
Mainly expressed in the developing central nervous system

Anti-SOX1 Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-SOX1 Picoband Antibody - Images



Anti- SOX1 Picoband antibody, ABO12094, Western blotting All lanes: Anti SOX1 (ABO12094) at 0.5ug/ml
Lane 1: Rat Brain Tissue Lysate at 50ug
Lane 2: NIH3T3 Whole Cell Lysate at 40ug
Predicted bind size: 39KD
Observed bind size: 39KD

Anti-SOX1 Picoband Antibody - 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.