

Anti-SOX1 Antibody Picoband™

Catalog Number: PB9403

About SOX1

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 neuroectoderm in the tetrapod embryo. It is expressed particularly in the ventral striatum.

Overview

Product Name	Anti-SOX1 Antibody Picoband™
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-SOX1 Antibody Picoband™ catalog # PB9403. Tested in WB applications. This antibody reacts with Human, Mouse, Rat.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	O00570

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of Human SOX1, identical to the related mouse sequence.
Predicted Reactive Species	Bovine
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.

Purification	Immunogen affinity purified.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: Western blot, 0.1-0.5ug/ml, Mouse, Rat, Human

Anti-SOX1 Antibody Picoband™ (PB9403) Images



Anti-SOX1 Picoband antibody, PB9403, Western blotting
All lanes: Anti SOX1 (PB9403) 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

1 Publications Citing This Product

1. PubMed ID: 29531534, Yi H, Xie B, Liu B, Wang X, Xu L, Liu J, Li M, Zhong X, Peng F. Stem Cells Int. 2018 Jan 24;2018:3628578. doi: 10.1155/2018/3628578. eCollection 2018. Derivation and Identification of Motor Neurons from Human Urine-Derived Induced Pluripotent Stem...

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