BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Transcription factor SOX-4 SOX4 Antibody

Catalog Number: A01892

About SOX4

SOX4 is 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 (1,2). It may act as a transcriptional regulator after forming a protein complex with other proteins, such as syndecan binding protein (syntenin) (3). SOX4 contains one HMG box DNA-binding domain and may function in the apoptosis pathway leading to cell death. It has also been suggested to play a role in tumorigenesis and may mediate downstream effects of parathyroid hormone (PTH) and PTH-related protein (PTHrP) in bone development (4,5).

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Overview

Product Name	Anti-Transcription factor SOX-4 SOX4 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Transcription factor SOX-4 SOX4 Antibody (Catalog # A01892). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	SOX4 antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q06945

Technical Details

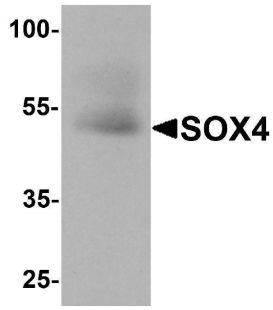
Immunogen	SOX4 antibody was raised against a 16 amino acid peptide near the amino terminus of human SOX4. The immunogen is located within the first 50 amino acids of SOX4.
Predicted Reactive Species	Bovine, Chicken, Pig, Rat
Cross Reactivity	SOX4 antibody is human, mouse and rat reactive.

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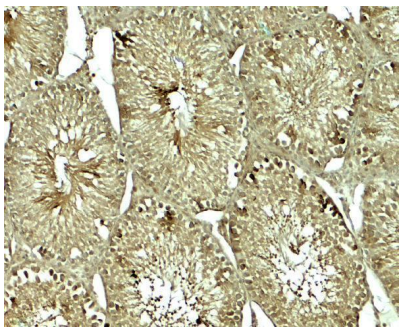
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	SOX4 antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	SOX4 antibody can be used for detection of SOX4 by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in rat samples and Immunofluorescence in rat samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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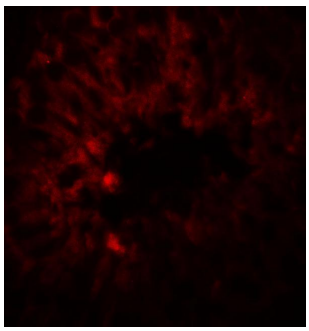
Anti-Transcription factor SOX-4 SOX4 Antibody (A01892) Images



Western blot analysis of SOX4 in human testis tissue lysate with SOX4 antibody at 1 ug/ml.



Immunohistochemistry of SOX4 in rat testis tissue with SOX4 antibody at 5 ug/mL.



Immunofluorescence of SOX4 in rat testis tissue with SOX4 antibody at 20 ug/mL.

1 Publications Citing This Product

1. PubMed ID: 32256813, Huang J,Lu D,Xiang T,Wu X,Ge S,Wang Y,Wang J,Cheng N. MicroRNA-132-3p regulates cell proliferation, apoptosis, migration and invasion of liver cancer by targeting Sox4. Oncol Lett.2020 Apr;19(4):3173-3180.doi:10.3892/ol.2020.11431.Epub 2020 Mar 3.PMID:322

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