

Anti-Transcription factor SOX-10 SOX10 Antibody

Catalog Number: A00758

About SOX10

SOX10 is a member of the SOX (SRY-related HMG-box) family of transcription factors involved in the regulation of embryonic development and the determination of the cell fate (1). The encoded protein may act as a transcriptional activator after forming a protein complex with other proteins (2). This protein acts as a nucleocytoplasmic shuttle protein and is important for neural crest and peripheral nervous system development (2). Mutations in this gene are associated with Waardenburg-Shah and Waardenburg-Hirschprung disease (3). SLC30A8 expression in beta-cells was found to be influenced by cytokine expression, particularly IFN-gamma and IL-1beta (4).

Overview

Product Name	Anti-Transcription factor SOX-10 SOX10 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Transcription factor SOX-10 SOX10 Antibody (Catalog # A00758). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	SOX10 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	SOX10 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	P56693

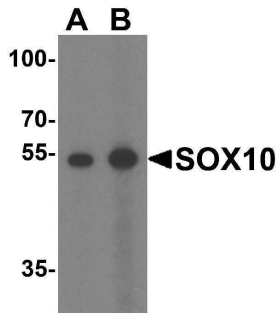
Technical Details

Immunogen	SOX10 antibody was raised against a peptide corresponding to 18 amino acids near the amino terminus of human SOX10.
Predicted Reactive Species	Chicken, Goat, Pig
Cross Reactivity	SOX10 Antibody is predicted to not cross-react with other SOX family members.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	SOX10 Antibody is affinity chromatography purified via peptide column.

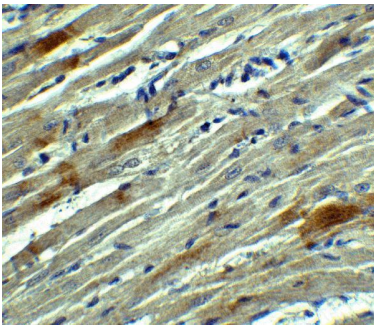
Suggested Dilutions

SOX10 antibody can be used for Western blot at 1 - 2 ug/mL. Antibody can also be used for Immunohistochemistry starting at 10 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in rat 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.

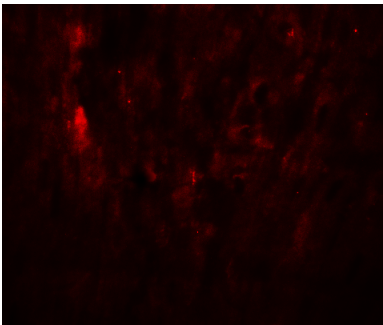
Anti-Transcription factor SOX-10 SOX10 Antibody (A00758) Images



Western blot analysis of SOX10 in rat heart tissue lysate with SOX10 antibody at (A) 1 and (B) 2 ug/mL.



Immunohistochemistry of SOX10 in rat heart tissue with SOX10 Antibody at 5 ug/mL.



Immunofluorescence of SOX10 in rat heart tissue with SOX10 Antibody at 20 ug/mL.

Submit a product review to [Biocompare.com](https://www.biocompare.com)

Submit a review of this product to [Biocompare.com](https://www.biocompare.com) to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-Transcription factor SOX-10 SOX10 Antibody

For Research Use Only. Not for use in diagnostic procedures.