BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Homeodomain-only protein HOPX Antibody

Catalog Number: A05019

About HOPX

HOPX is a small homeodomain protein that lacks normally conserved residues required for DNA binding (1). It is thought to act downstream of NKX2-5 and modulates serum response factor (SRF)-dependent cardiac-specific gene expression and cardiac development (1). HOPX also acts a tumor suppressor gene in multiple tumors and cancer cell lines (2,3). HOPX has been reported to regulate the proliferation/differentiation homeostasis in different cell types, including keratinocytes (4).

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Overview

Product Name	Anti-Homeodomain-only protein HOPX Antibody
Reactive Species	Human
Description	Boster Bio Anti-Homeodomain-only protein HOPX Antibody (Catalog # A05019). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	HOPX antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	HOPX antibody can be stored at 4°C, stable for up to one year.
Host	Rabbit
Uniprot ID	Q9BPY8

Technical Details

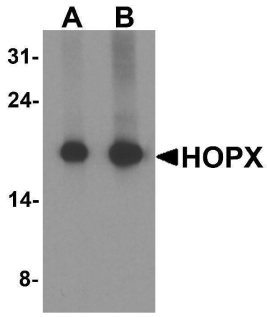
Immunogen	HOPX antibody was raised against a 16 amino acid peptide near the amino terminus of human HOPX. The immunogen is located within the first 50 amino acids of HOPX.
Predicted Reactive Species	Bovine, Chicken, Mouse, Pig, Rat
Cross Reactivity	HOPX antibody is human specific. At least three isoforms of HOPX are known to exist; this antibody will detect all three isoforms.

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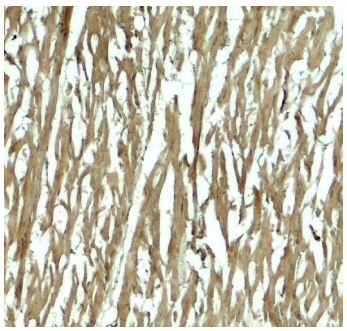
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	HOPX antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	HOPX antibody can be used for detection of HOPX by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 5 ug/mL.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

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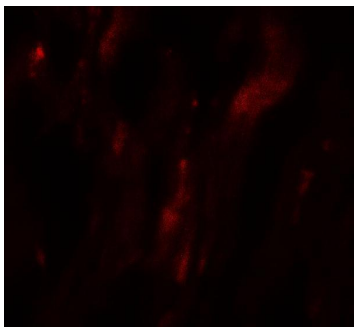
Anti-Homeodomain-only protein HOPX Antibody (A05019) Images



Western blot analysis of HOPX in human brain tissue lysate with HOPX antibody at (A) 1 and (B) 2 ug/ml.



Immunohistochemistry of HOPX in human heart tissue with HOPX antibody at 5 ug/mL.



Immunofluorescence of HOPX in human heart tissue with HOPX antibody at 20 ug/mL.

Anti-Homeodomain-only protein HOPX Antibody

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