BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Homeobox protein Nkx-2.4 NKX2-4 Antibody

Catalog Number: A16202-1

About NKX2-4

NKX2-4 (NK2 homeobox 4) is a member of a family of transcription factors that are involved in embryonic development and cell fate. NKX2-4 is closely related to NKX2-1 and NKX2-4 and is specifically localized to the ventral diencephalon. Recent experiments in Xenopus have suggested that the homeodomain protein XANF is necessary for the activation of NKX2-4, but does not directly regulate its expression.

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Overview

Product Name	Anti-Homeobox protein Nkx-2.4 NKX2-4 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-Homeobox protein Nkx-2.4 NKX2-4 Antibody (Catalog # A16202-1). Tested in ELISA, WB, ICC, IF applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, ICC, WB
Clonality	Polyclonal
Formulation	NKX2-4 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	NKX2-4 antibody can be stored at 4°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	Q9H2Z4

Technical Details

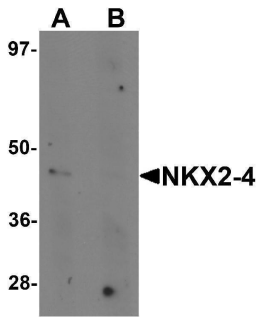
Immunogen	NKX2-4 antibody was raised against an 18 amino acid synthetic peptide near the center of human NKX2-4. The immunogen is located within amino acids 220 - 270 of NKX2-4.
Predicted Reactive Species	Bovine, Chicken, Guinea Pig, Rat
Cross Reactivity	NKX2-4 antibody is predicted to not cross-react with other NK2 homeobox family members. At least two isoforms of NKX2-4 are known to exist; this antibody will detect both isoforms.

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Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	NKX2-4 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	NKX2-4 antibody can be used for detection of NKX2-4 by Western blot at 1 ug/mL. Antibody can also be used for immunocytochemistry starting at 2.5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in mouse samples; Immunocytochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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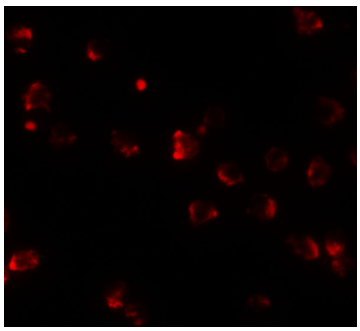
Anti-Homeobox protein Nkx-2.4 NKX2-4 Antibody (A16202-1) Images



Western blot analysis of NKX2-4 in A20 cell lysate with NKX2-4 antibody at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.



Immunocytochemistry of NKX2-4 in A20 cells with NKX2-4 antibody at 2.5 ug/mL.



Immunofluorescence of NKX2-4 in A20 cells with NKX2-4 antibody at 20 ug/mL.

Anti-Homeobox protein Nkx-2.4 NKX2-4 Antibody

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