

## NKX3A Antibody

Catalog No: #48454

Package Size: #48454-1 50ul #48454-2 100ul

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## Description

Product Name	NKX3A Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	C3-H4
Purification	ProA affinity purified
Applications	WB, IHC, FC
Species Reactivity	Hu
Immunogen Description	Recombinant protein
Other Names	BAPX 2 antibody BAPX2 antibody Homeobox protein NK-3 homolog A antibody Homeobox protein Nkx 3.1 antibody Homeobox protein Nkx-3.1 antibody Homeobox protein Nkx3.1 antibody NK homeobox (Drosophila) family 3 A antibody NK homeobox family 3 A antibody NK homeobox, family 3, member A antibody NK3 homeobox 1 antibody NK3 transcription factor homolog A antibody NK3 transcription factor related locus 1 antibody NKX 3 antibody Nkx 3.1 antibody NKX 3A antibody NKX3 1 antibody NKX3 antibody Nkx3-1 antibody NKX3.1 antibody Nkx3.1, mouse, homolog of antibody NKX31_HUMAN antibody NKX3A antibody
Accession No.	Swiss-Prot#:Q99801
Uniprot	Q99801
GeneID	4824;
Calculated MW	26 kDa
Formulation	1*TBS (pH7.4), 1%BSA, Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

## Application Details

WB: 1:500-1:1000 IHC: 1:50-1:200 FC: 1:100-1:200

## Background

The homeobox gene Nkx-3.1 is the human homolog of *Drosophila* bagpipe, which, in conjunction with tinman, determines cell fate in the dorsal mesoderm. In mammalian species, Nkx-3.1 is predominantly expressed in prostate, and it regulates prostate development in response to sonic hedgehog (Shh) signaling by exerting growth-suppressive and differentiating effects on prostatic epithelium. Nkx-3.1 is also expressed at lower levels in other tissues, including the heart and gut, in a Shh independent manner, where it plays a role in regulating proliferation of glandular epithelium and in the formation of ducts in prostate and minor salivary glands. Nkx-3.1 preferentially binds the TAAGTA sequence, which has not been reported for any other NK class homeoprotein. The human Nkx-3.1 gene is located on chromosome 8q21, which frequently undergoes a loss of heterozygosity, and although Nkx-3.1 is not a tumor suppressor gene, it may be a useful marker for benign and malignant prostate epithelium.

## References

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Note: This product is for in vitro research use only