

Rabbit anti-Human, Mouse NKX3.1 Polyclonal Antibody | anti-NKX3.1 antibody

NKX3.1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320862	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

NKX3.1; Polyclonal Antibody; NKX3.1 Antibody; BAPX 2; BAPX2; Homeobox protein NK-3 homolog A; Homeobox protein Nkx 3.1; Homeobox protein Nkx-3.1; Homeobox protein Nkx3.1; NK homeobox (Drosophila) family 3 A; NK homeobox family 3 A; NK homeobox; family 3; member A; NK3 homeobox 1; NK3 transcription factor homolog A; NK3 transcription factor related locus 1; NKX 3; Nkx 3.1; NKX 3A; NKX3 1; NKX3; Nkx3-1; Nkx3.1; mouse; homolog of; NKX31_HUMAN; NKX3A; anti-NKX3.1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	NKX3.1 antibody detects endogenous levels of NKX3.1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	159
Applicable Applications for anti-NKX3.1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human NKX3.1, corresponding to a region within the internal amino acids.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from human prostate, using NKX3.1 Antibody. The lane on the left was treated with blocking peptide.



IHC (Immunohistochemistry)

AAA320862 at 1/100 staining Mouse testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-NKX3.1 antibody	Description: NKX3-1 Transcription factor, which binds preferentially the consensus sequence 5'-TAAGT[AG]-3' and can behave as a transcriptional repressor. Play an important role in normal prostate development, regulating proliferation of glandular epithelium and in the formation of ducts in prostate. Act as a tumor suppressor controlling prostate carcinogenesis, as shown by the ability to inhibit proliferation and invasion activities of PC-3 prostate cancer cells. Interacts with serum response factor (SRF). Function: Transcription factor, which binds preferentially the consensus sequence 5'-TAAGT[AG]-3' and can behave as a transcriptional repressor. Plays an important role in normal prostate development, regulating proliferation of glandular epithelium and in the formation of ducts in prostate. Acts as a tumor suppressor controlling prostate carcinogenesis, as shown by the ability to inhibit proliferation and invasion activities of PC-3 prostate cancer cells. Subunit Structure: Interacts with serum response factor (SRF) (By similarity). Interacts with SPDEF. Interacts with WDR77. Interacts with TOPORS which polyubiquitinates NKX3-1 and induces its proteasomal degradation. Post-translational Modifications: Ubiquitinated by TOPORS; monoubiquitinated at several residues and also polyubiquitinated on single residues. Similarity: Belongs to the NK-3 homeobox family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	373432628
NCBI GeneID	4824
NCBI Accession #	NP_001243268.1
NCBI GenBank Nucleotide #	NM_001256339.1
UniProt Accession #	Q99801; O15465; Q9H2P4; Q9H2P5; Q9H2P6; Q9H2P7; Q9HBG0
Molecular Weight	38 kDa
NCBI Official Full Name	homeobox protein Nkx-3.1 isoform 2
NCBI Official Synonym Full Names	NK3 homeobox 1
NCBI Official Symbol	NKX3-1
NCBI Official Synonym Symbols	NKX3; BAPX2; NKX3A; NKX3.1
NCBI Protein Information	homeobox protein Nkx-3.1
UniProt Protein Name	Homeobox protein Nkx-3.1
UniProt Gene Name	NKX3-1
UniProt Synonym Gene Names	NKX3.1; NKX3A

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nkx31-antibody-immunohistochemistry-western-blot-elisa/320862>