

Rabbit NKX3-1 Polyclonal Antibody | anti-NKX3-1 antibody

NKX3-1 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285215	Rabbit	Human (Predicted Reactivity: Mouse)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

NKX3-1; Polyclonal Antibody; NKX3-1 Antibody (Center); Homeobox protein Nkx-31; Homeobox protein NK-3 homolog A; NKX31; NKX3A; anti-NKX3-1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This NKX3-1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 118-145 amino acids from the Central region of human NKX3-1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.49 (varies by lot)
Sequence Positions	3-1
Sequence Length	190
Applicable Applications for anti-NKX3-1 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

NKX3-1 Antibody (Center) flow cytometry analysis of MDA-MB231 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human prostate carcinoma reacted with NKX3-1 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of NKX3-1 Antibody (Center) in MCF-7 cell line lysates (35ug/lane).
NKX3-1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-NKX3-1 antibody	NKX3-1 is a transcription factor, which binds preferentially the consensus sequence 5'-TAAGT[AG]-3' and can behave as a transcriptional repressor. It play an important role in normal prostate development, regulating proliferation of glandular epithelium and in the formation of ducts in prostate. It 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.
References	Voeller,H.J., et.al., Cancer Res. 57 (20), 4455-4459 (1997)

NCBI AND UNIPROT INFORMATION

NCBI GI #	373432628
NCBI GeneID	4824
NCBI Accession #	NP_001243268.1; NP_006158.2
NCBI GenBank Nucleotide #	NM_001256339.1
UniProt Accession #	Q99801; O15465; Q9H2P4; Q9H2P5; Q9H2P6; Q9H2P7; Q9HBG0
Molecular Weight	26350
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
UniProt Entry Name	NKX31_HUMAN

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/nkx3-1-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/285215>