Rabbit anti-Human NKX3. 1 Monoclonal Antibody | anti-NKX3-1 antibody

NKX3.1 (Metastatic Prostate Adenocarcinoma Marker) Recombinant Rabbit Monoclonal Antibody [Clone NKX3.1/4562R]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215824	**Rabbit**	**Human**	**Immunohistochemistry, ELISA**

PRODUCT SYNONYMS

NKX3. 1; Monoclonal Antibody; NKX3.1 (Metastatic Prostate Adenocarcinoma Marker) Recombinant Rabbit Monoclonal Antibody [Clone NKX3.1/4562R]; NKX3. 1 (Metastatic Prostate Adenocarcinoma Marker); NK3 Homeobox 1; Homeobox Protein NK-3 Homolog A; NKX3-1; NKX3A; NK3 Transcription Factor Related; Locus 1 (Drosophila); Locus 1; NK Homeobox (Drosophila); Family 3; A; NK3 Transcription Factor Homolog A; NK Homeobox; Homeobox Protein Nkx-3. 1; BAPX2; NKX3; anti-NKX3-1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit/IgG
Clone Number	NKX3.1/4562R
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0. 05% BSA & 0. 05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-NKX3-1 antibody	IHC (Immunohistochemistry), ELISA
Antibody Type	Recombinant Antibody
Immunogen	Recombinant fragment (around aa 92-224) of human NKX3. 1 protein (exact sequence is proprietary)
Cellular Localization	Nuclear
Positive Control	Highly expressed in the prostate and at a lower level in the testis.
Hu-chromosome Location	8p21.2
Unigene	55999
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES

IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human prostate stained with NKX3. 1 Recombinant Rabbit Monoclonal Antibody (NKX3. 1/4562R).

ADDITIONAL INFORMATION

Related Product Information for anti-NKX3-1 antibody	NKX3. 1 is a prostate specific gene encoding a transcription factor that plays an important role in normal prostate development and carcinogenesis. It is a prostatic tumor suppressor gene located on chromosome 8p21. 2, which frequently undergoes a loss of heterozygosity. NKX3. 1 expression is highly restricted in prostate epithelial cells and therefore can be used as a test biomarker for prostate cancer and other metastatic lesions of prostatic origin. Furthermore, NKX3. 1 shows better sensitivity than Prostate Specific Antigen (PSA) for identifying metastatic prostatic adenocarcinoma. This suggests that immunohistochemical staining of NKX3. 1, along with other prostate-restricted markers, may be valuable for the definitive determination of prostatic origin in poorly differentiated metastatic carcinomas.

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	26,350 Da
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; NK homeobox, family 3, A; homeobox protein NK-3 homolog A; NK3 transcription factor homolog A; NK3 transcription factor related, locus 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/monoclonal/nkx3-1-antibody-clone-nkx3-1-4562r-immunohistochemistry-elisa/215824