

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

NKX3.1 (RM430)

CATALOG # AAA59421	HOST Rabbit	REACTIVITY Human
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PRODUCT SYNONYMS

NKX3.1; Monoclonal Antibody; NKX3.1 (RM430); NKX3A; sc393190; Nkx 3.1; Nkx3.1; NKX3-1; anti-Nkx-3.1; anti Nkx-3.1; anti-Nkx 3.1; anti-Nkx3.1; anti Nkx 3.1; anti Nkx3.1; Homeobox protein NK-3 homolog A; anti-NKX3A; anti NKX3A; anti-Homeobox protein NK-3 homolog A; anti Homeobox protein NK-3 homolog A; NK3 homeobox 1; BAPX2; NKX3; NKX3 1; anti-NKX3.1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Clone Number	RM430
Form/Format	Paraffin, Frozen NKX3.1 is a rabbit monoclonal antibody derived from cell culture supernatant that is concentrated, dialyzed, filter sterilized and diluted in buffer pH7.5, containing BSA and sodium azide as a preservative.
Immunogen	A synthetic peptide corresponding to residues of human NKX3.1 protein.
Control	Prostate, Prostate Carcinoma
Localization	Nuclear
Preparation and Storage	Store at 2-8 degree C (Control Slides: Store at 20-25 degree C)

IMAGES


IHC (Immunohistochemistry)

NKX3.1 Antibody Immunohistochemistry on an FFPE Prostatic Carcinoma Tissue


Dilution Info

ADDITIONAL INFORMATION

Related Product Information for anti-NKX3.1 antibody	Homeobox protein NKX3.1, also known as BAPX2 and NKX3A is a protein that in humans is encoded by the NKX3.1 gene located on chromosome 8p. NKX3.1 is a prostatic tumor suppressor gene, which is an androgen-regulated, prostate-specific homeobox gene whose expression is predominantly localized in the prostate epithelium. It is a negative regulator of epithelial cell growth in prostate tissue. Loss of NKX3A protein expression is a common finding in human prostate carcinomas and prostatic intraepithelial neoplasia. NKX3-1 expression is seen in prostate epithelium, testis, ureter, and pulmonary bronchial mucous glands. NKX3-1 antibody has been established as a marker for identifying metastatic tumors. In a study the sensitivity for identifying metastatic prostatic adenocarcinomas was 98.6% for NKX3.1, 94.2% for prostate specific antigen and 98.6% for prostatic acid phosphatase and a specificity of 99.7% for NKX3.1. NKX3.1-positive prostate carcinoma cells exhibit nuclear staining. Additionally, most cases of urothelial carcinoma have been found to be negative for NKX3.1 and may be helpful to distinguish between high grade prostate adenocarcinoma and high grade Infiltrating urothelial carcinoma. NKX3.1 antibody has also been found to be expressed in invasive ductal carcinomas (IDC) and invasive lobular carcinomas (ILC) of the breast. NKX3.1 expression is limited to ER, PR, and AR positive carcinomas and is more frequently expressed in ILC than IDC. NKX3.1 has a high specificity and sensitivity for prostate adenocarcinomas and can be used to help distinguish between prostate carcinoma and urothelial carcinomas.
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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/nkx31-antibody-clone-rm430-elisa/59421>