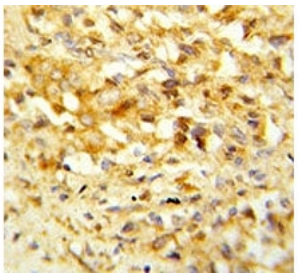
NKX3.1 Antibody (F51471)

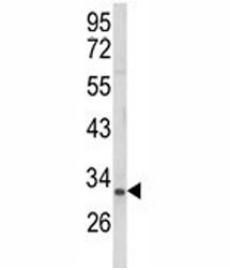
Catalog No.	Formulation	Size
F51471-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F51471-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

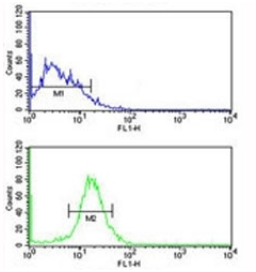
Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	Q99801
Applications	Western blot: 1:1000 IHC (Paraffin): 1:50-1:100 Flow Cytometry: 1:10-1:50
Limitations	This NKX3.1 antibody is available for research use only.



IHC analysis of FFPE human prostate carcinoma stained with NKX3.1 antibody



Western blot analysis of NKX3.1 antibody and MCF-7 lysate. Predicted molecular weight ~28 kDa, observed at 28-38 kDa.



NKX3.1 antibody flow cytometry analysis of MDA-MB231 cells (green) compared to a negative control (blue). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.

Description

NKX3.1 is a 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. [UniProt]

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the NKX3.1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 118-145 from the human protein was used as the immunogen for this NKX3.1 antibody.

Storage

Store at 4oC for up to one month. For long term, aliquot the NKX3.1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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