

NKX3.1 Mouse mAb

CatalogNo: YM0477

Key Features

Host Species

- Mouse

Reactivity

- Human

Applications

- WB,IHC,IF,FC,ELISA

MW

- 26kD (Calculated)

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-1:2000

IHC 1:200-1:1000

Flow Cyt 1:200-1:400

ELISA 1:10000

IF 1:50-200

Basic Information

Clonality Monoclonal

Clone Number 13E5

Immunogen Information

Immunogen Purified recombinant fragment of human Nkx-3.1 expressed in E. Coli.

Specificity Nkx-3.1 Monoclonal Antibody detects endogenous levels of Nkx-3.1 protein.

| Target Information

Gene name NKX3-1 NKX3.1 NKX3A

Protein Name Homeobox protein Nkx-3.1

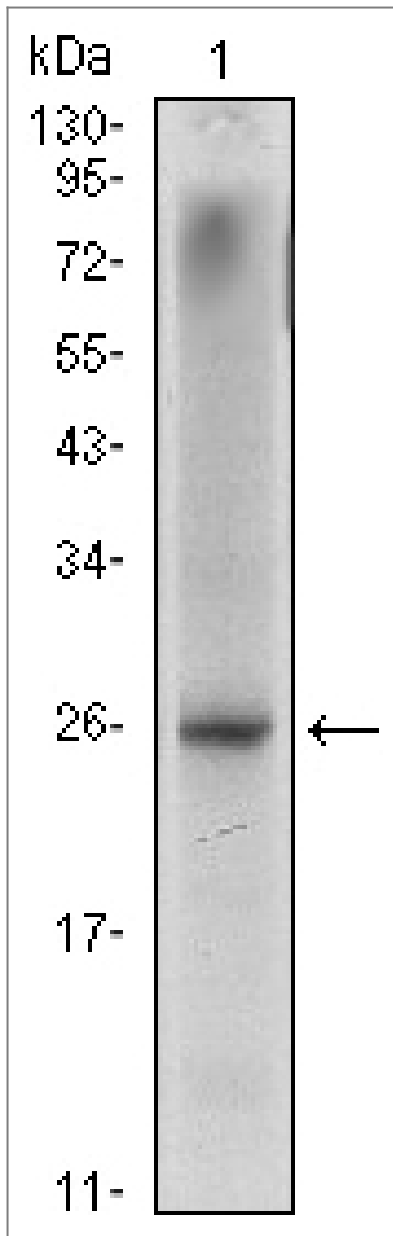
Organism	Gene ID	UniProt ID
Human	4824;	Q99801;
Mouse		P97436;

Cellular Localization Nucleus .

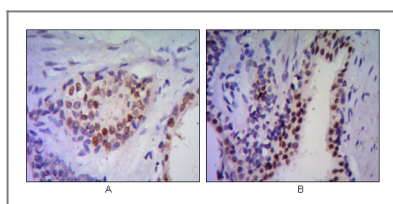
Tissue specificity Highly expressed in the prostate and, at a lower level, in the testis.

Function Alternative products:Additional isoforms seem to exist,Disease:NKX3-1 has been thought to be one of the target gene of the 8p21 loss of heterozygosity, common in prostate cancer, but neither disruption of the coding region of the gene, nor mutations have been found in prostate cancer.,Function:Transcription factor, which binds preferentially the consensus sequence 5'-TAAGT[AG]-3' and can behave as a transcriptional repressor. Could play an important role in regulating proliferation of glandular epithelium and in the formation of ducts in prostate.,induction:By androgens and, in the LNCAP cell line, by estrogens. Androgenic control may be lost in prostate cancer cells during tumor progression from an androgen-dependent to an androgen-independent phase.,similarity:Belongs to the NK-3 homeobox family.,similarity:Contains 1 homeobox DNA-binding domain.,subunit:Interacts with serum response factor (SRF) (By similarity). Interacts with SPDEF. Interacts with WDR77.,tissue specificity:Highly expressed in the prostate and, at a lower level, in the testis.,

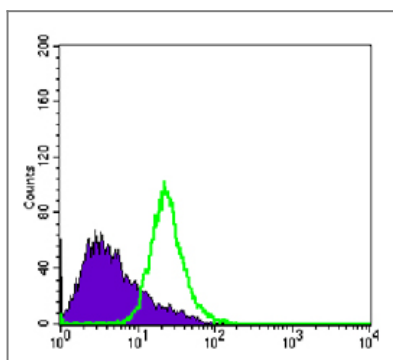
| Validation Data



Western Blot analysis using Nkx-3.1 Monoclonal Antibody against LNCaP (1) cell lysate.



Immunohistochemistry analysis of paraffin-embedded human prostata tissues (A, B) with DAB staining using Nkx-3.1 Monoclonal Antibody.



Flow cytometric analysis of PC-3 cells using Nkx-3.1 Monoclonal Antibody (green) and negative control (purple).

| Contact information

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Please scan the QR code to access additional product information:
NKX3.1 Mouse mAb

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