

Datasheet for ABIN969316

**anti-NKX3-1 antibody**

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## Overview

Quantity:	100 µL
Target:	NKX3-1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

## Product Details

Immunogen:	Purified recombinant fragment of human NKX3A expressed in E. coli.
Clone:	4H4
Isotype:	IgG2b
Purification:	purified

## Target Details

Target:	NKX3-1
Alternative Name:	NKX3A ( <a href="#">NKX3-1 Products</a> )
Background:	Description: Nkx3.1 is a transcription factor that may play an important role in regulating proliferation of glandular epithelium and in the formation of ducts in the prostate. It has been thought to be one of the target genes 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.

## Target Details

	Aliases: NKX3, BAPX2, NKX3A, NKX3.1, NKX3-1
Molecular Weight:	26.3 kDa
Gene ID:	4824
HGNC:	4824
Pathways:	<a href="#">Intracellular Steroid Hormone Receptor Signaling Pathway</a> , <a href="#">Positive Regulation of Endopeptidase Activity</a> , <a href="#">Positive Regulation of Response to DNA Damage Stimulus</a>

## Application Details

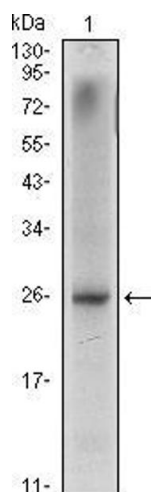
Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, FCM: 1:200 - 1:400
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	Ascitic fluid containing 0.03 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	4°C, -20°C for long term storage

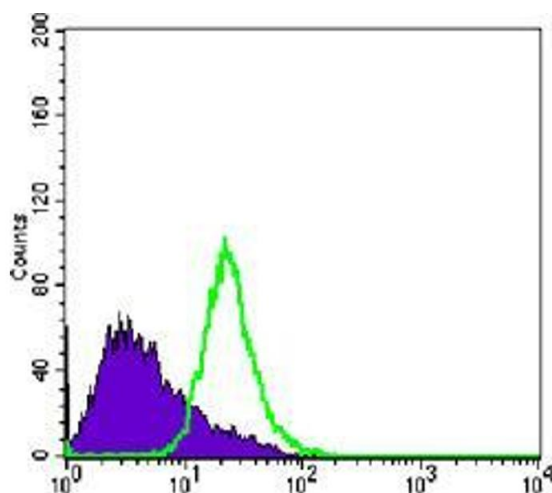
## Publications

Product cited in:	<p>Durkin, Guo, Fryrear, Mihaylova, Gupta, Belgnaoui, Haoudi, Kupfer, Semmes: "HTLV-1 Tax oncoprotein subverts the cellular DNA damage response via binding to DNA-dependent protein kinase." in: <b>The Journal of biological chemistry</b>, Vol. 283, Issue 52, pp. 36311-20, (2008) (<a href="#">PubMed</a>).</p> <p>Huston, Lynch, Mohamed, Collins, Hill, MacLeod, Krause, Baillie, Houslay: "EPAC and PKA allow cAMP dual control over DNA-PK nuclear translocation." in: <b>Proceedings of the National Academy of Sciences of the United States of America</b>, Vol. 105, Issue 35, pp. 12791-6, (2008) (<a href="#">PubMed</a>).</p>
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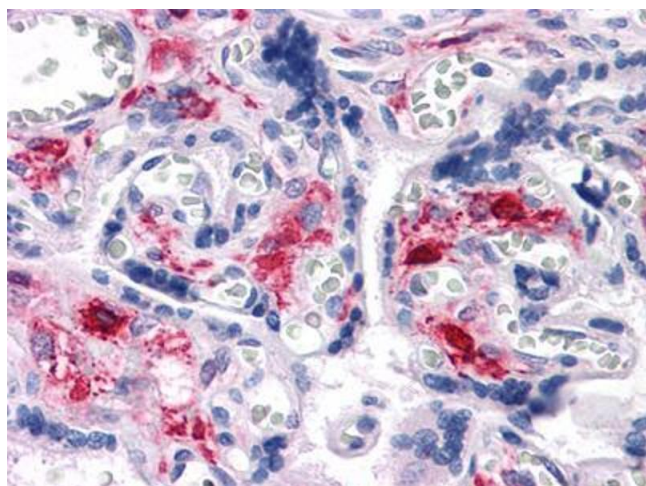
### Western Blotting

**Image 1.** Western blot analysis using NKX3A mouse mAb against LNCaP (1) cell lysate.



### Flow Cytometry

**Image 2.** Flow cytometric analysis of PC-3 cells using anti-NKX3A mAb (green) and negative control (purple).



### Immunohistochemistry

**Image 3.** Immunohistochemical analysis of paraffin-embedded human Liver tissues using NKX3A mAb

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN969316.