

## Product datasheet for **UM800088**

### **Nkx3.1 (NKX3-1) Mouse Monoclonal Antibody [Clone ID: UMAB196]**

#### **Product data:**

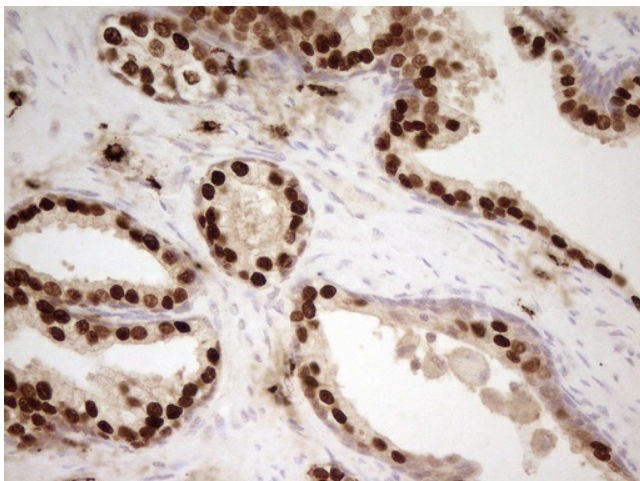
Product Type:	Primary Antibodies
Clone Name:	UMAB196
Applications:	10k-ChIP, IF, IHC, WB
Recommended Dilution:	IHC 1:100~200
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human NKX3-1 (NP_006158) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5~1.0 mg/ml (Lot Dependent)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	26.2 kDa
Gene Name:	NK3 homeobox 1
Database Link:	<a href="#">NP_006158</a> <a href="#">Entrez Gene 4824 Human</a> <a href="#">Q99801</a>
Background:	This gene encodes a homeobox-containing transcription factor. This transcription factor functions as a negative regulator of epithelial cell growth in prostate tissue. Aberrant expression of this gene is associated with prostate tumor progression. Alternate splicing results in multiple transcript variants of this gene. [provided by RefSeq, Jan 2012]
Synonyms:	BAPX2; NKX3; NKX3.1; NKX3A
Protein Families:	Druggable Genome, Transcription Factors



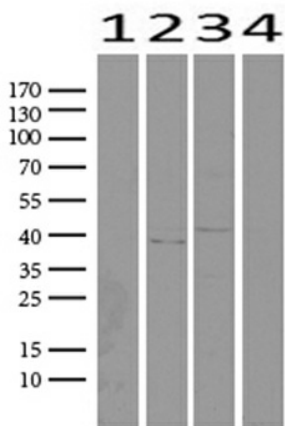
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Protein Pathways: Pathways in cancer, Prostate cancer

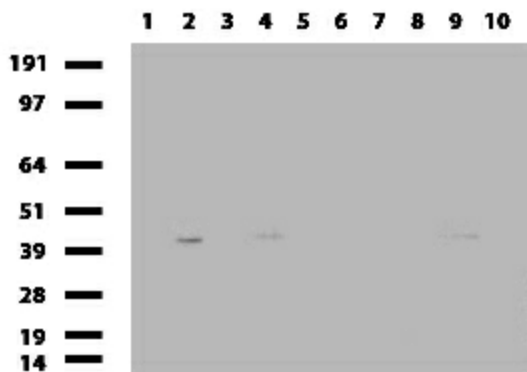
**Product images:**



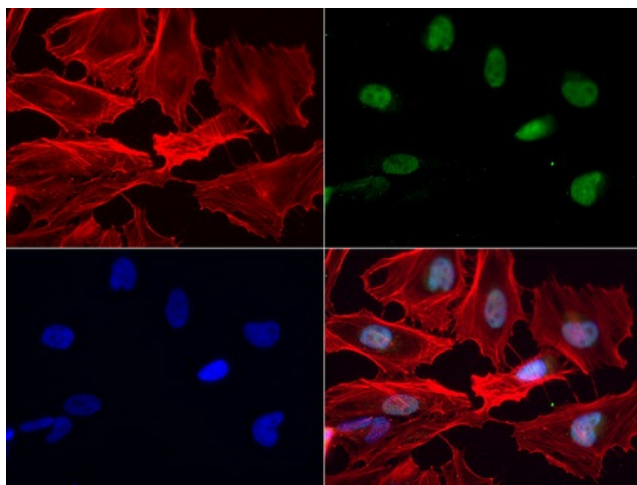
Immunohistochemical staining of paraffin-embedded Human prostate tissue using anti-NKX3-1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 3min, UM800088) (1:200)



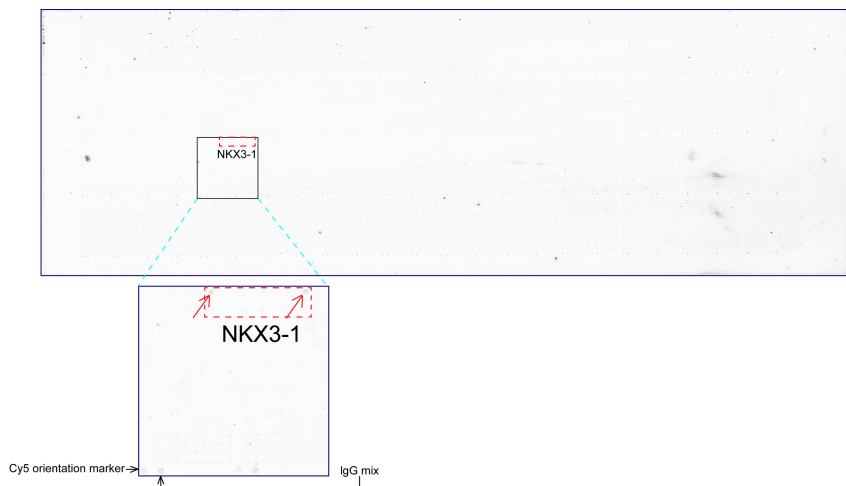
Western blot analysis of extracts (25ug) from 4 different cell lines by using anti-NKX3-1 monoclonal antibody. (1:500) (1: HEK293; 2: HeLa; 3: MCF7; 4: HepG2) Dilution: 1:500



Western blot of human tissue lysates (15ug) from 10 different tissues (1: Testis, 2: Omentum, 3: Uterus, 4: Breast, 5: Brain, 6: Liver, 7: Ovary, 8: Thyroid, 9: Colon, 10: Spleen). Dilution: 1:500.



Immunofluorescent staining of HeLa cells using anti-NKX3-1 mouse monoclonal antibody (UM800088, green, 1:100). Actin filaments were labeled with Alexa Fluor® 594 Phalloidin (red), and nuclear with DAPI (blue).



OriGene overexpression protein microarray chip was immunostained with UltraMAB anti-NKX3-1 mouse monoclonal antibody (UM800088). The positive reactive proteins are highlighted with two red arrows in the enlarged subarray. All the positive controls spotted in this subarray are also labeled for clarification (1:100).