

Product datasheet for **UM870088**

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

Product data:

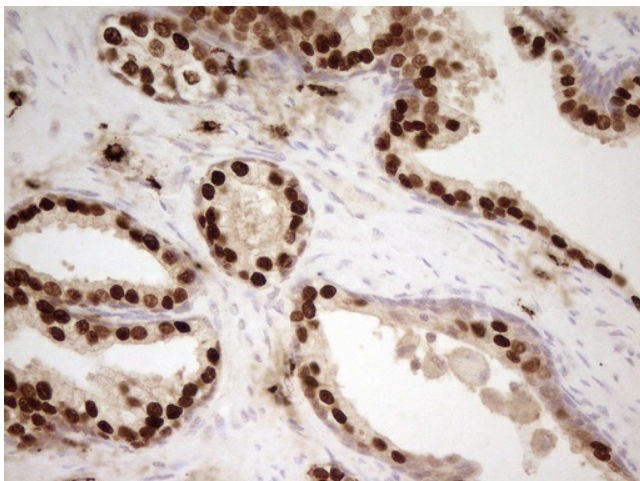
Product Type:	Primary Antibodies
Clone Name:	UMAB196
Applications:	10k-ChIP, IF, IHC, WB
Recommended Dilution:	IHC 1:100~200
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human NKX3-1 (NP_006158) produced in E.coli.
Formulation:	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:	NP_006158 Entrez Gene 4824 Human Q99801
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



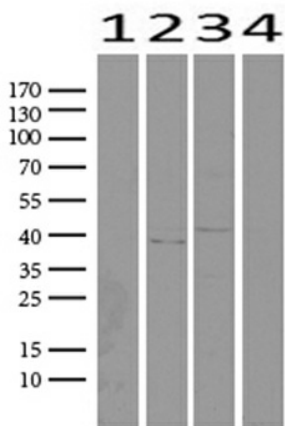
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Protein Pathways: Pathways in cancer, Prostate cancer

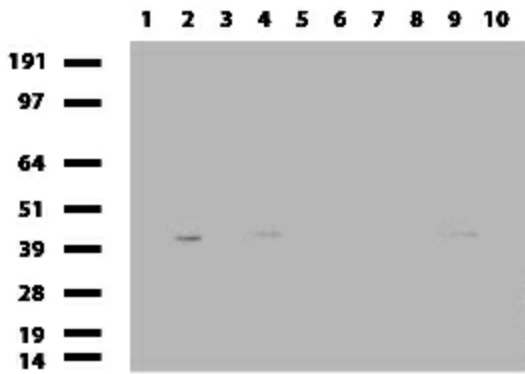
Product images:



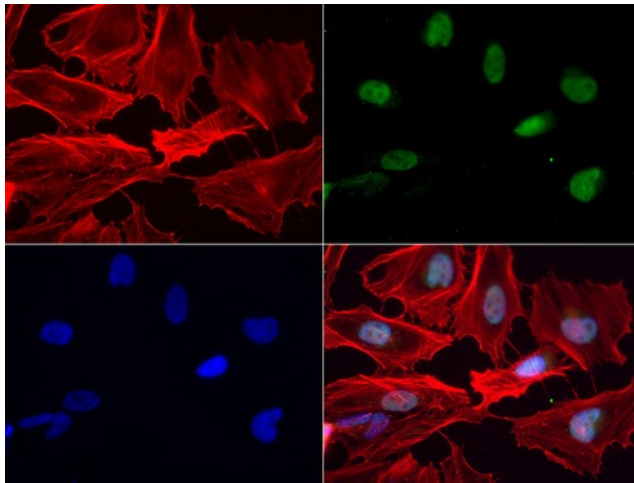
Immunohistochemical staining of paraffin-embedded Human prostate tissue using anti-NKX3-1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 3min, [UM800088]) (1:200)



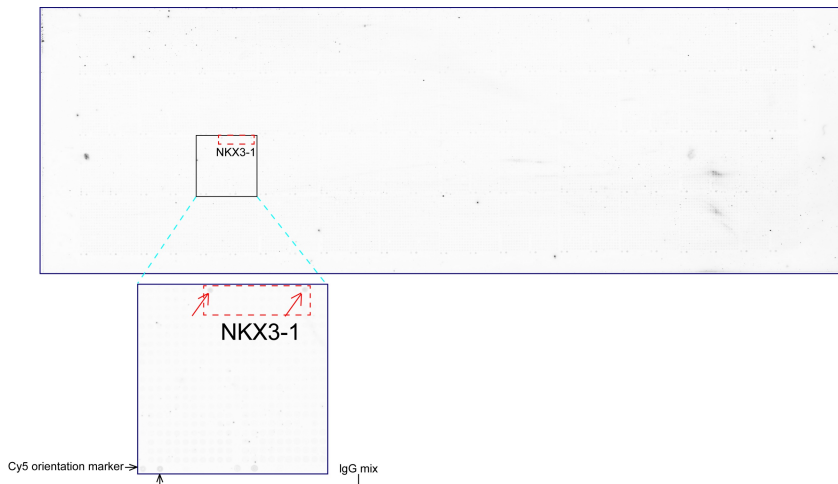
Western blot analysis of extracts (25ug) from 4 different cell lines by using anti-NKX3-1 monoclonal antibody. (1:500) (1: HEK293; 2: Hela; 3: MCF7; 4: HepG2) Dilution: 1:500



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).