

Product datasheet for **UM800087CF**

Nkx3.1 (NKX3-1) Mouse Monoclonal Antibody [Clone ID: UMAB195]

Product data:

Product Type:	Primary Antibodies
Clone Name:	UMAB195
Applications:	10k-ChIP, IHC
Recommended Dilution:	IHC 1:100~200
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human NKX3-1 (NP_006158) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
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]

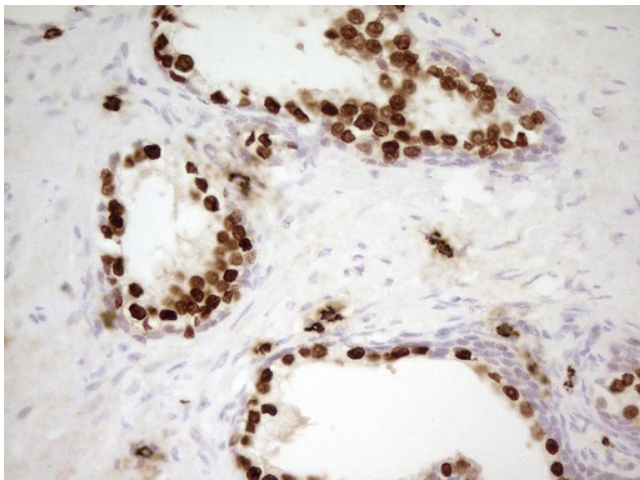


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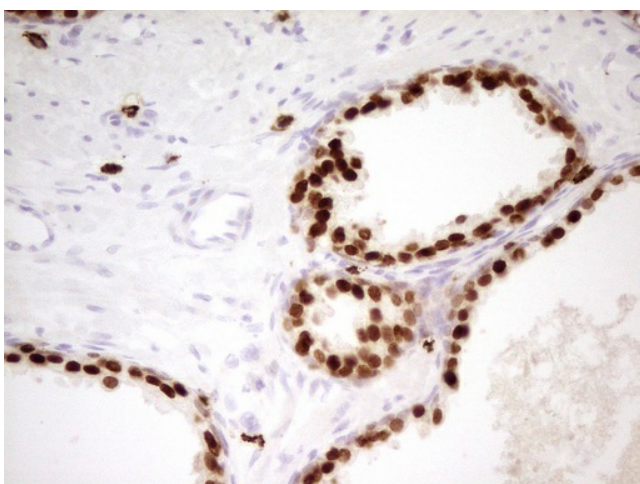
Synonyms: BAPX2; NKX3; NKX3.1; NKX3A

Protein Families: Druggable Genome, Transcription Factors

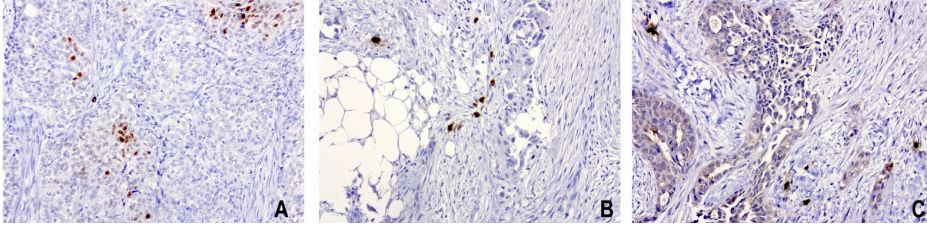
Protein Pathways: Pathways in cancer, Prostate cancer

Product images:

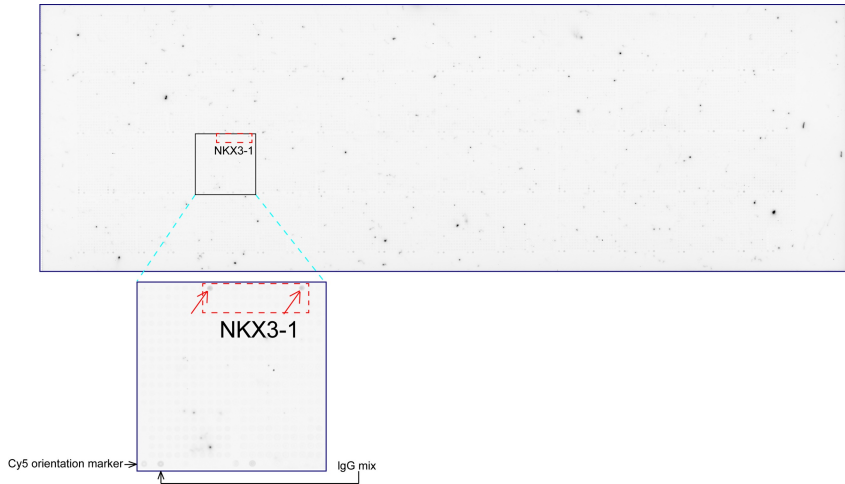
Immunohistochemical staining of paraffin-embedded Human prostate tissue using anti-NKX3-1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 3min, [UM800087]) (1:200)



Immunohistochemical staining of paraffin-embedded Carcinoma of 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, [UM800087]) (1:200)



Immunohistochemical staining of 3 cases of paraffin-embedded human endometrial carcinoma using anti-NKX3.1 clone UMAB195 mouse monoclonal antibody ([UM800087]) at 1:100 with Polink2 Broad HRP DAB detection kit; heat-induced epitope retrieval with GBI ACCEL pH8.7 HIER buffer using pressure chamber for 3 minutes at 110C. No staining seen in the tumor cells but some cytoplasmic staining was visualized in the third case along with weak nuclear staining.



OriGene overexpression protein microarray chip was immunostained with UltraMAB anti-NKX3-1 mouse monoclonal antibody ([UM800087]). 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).