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Product datasheet for AM06425SU-N

Nkx3.1 (NKX3-1) Mouse Monoclonal Antibody [Clone ID: 4H4]

Product data:

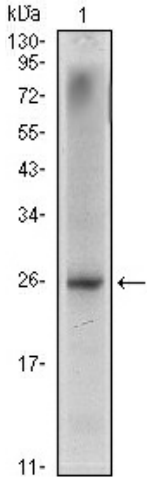
Product Type:	Primary Antibodies
Clone Name:	4H4
Applications:	ELISA, FC, IHC, WB
Recommended Dilution:	**Western Blot:** 1/500 - 1/2000. **Immunohistochemistry on paraffin sections**: 1/200 - 1/1000. **Flow cytometry:** 1/200 - 1/400. **ELISA**: 1/10000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human NKX3A expressed in E. Coli.
Specificity:	This antibody reacts to NKX3A.
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% sodium azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	26,3 kDa
Gene Name:	NK3 homeobox 1
Database Link:	Entrez Gene 4824 Human Q99801

View online »

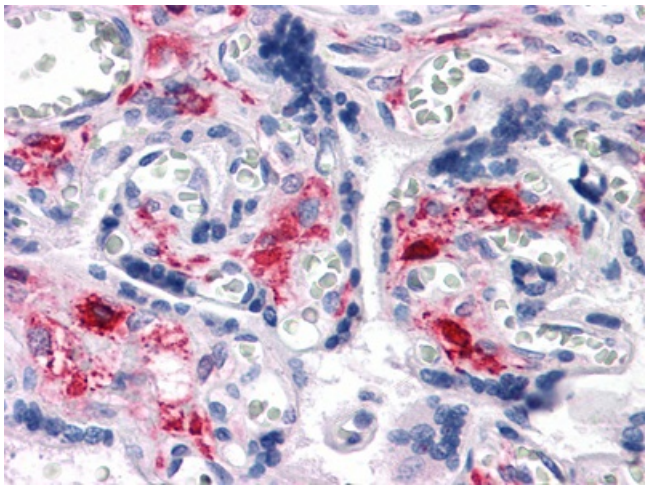
Background: Nkx3.1 is a transcription factor that may play an important role in regulating proliferation of glandular epithelium and in the formation of ducts in the prostate. It has been thought to be one of the target genes of the 8p21 loss of heterozygosity, common in prostate cancer. But neither disruption of the coding region of the gene, nor mutations have been found in prostate cancer.

Synonyms: NKX3.1, NKX3A

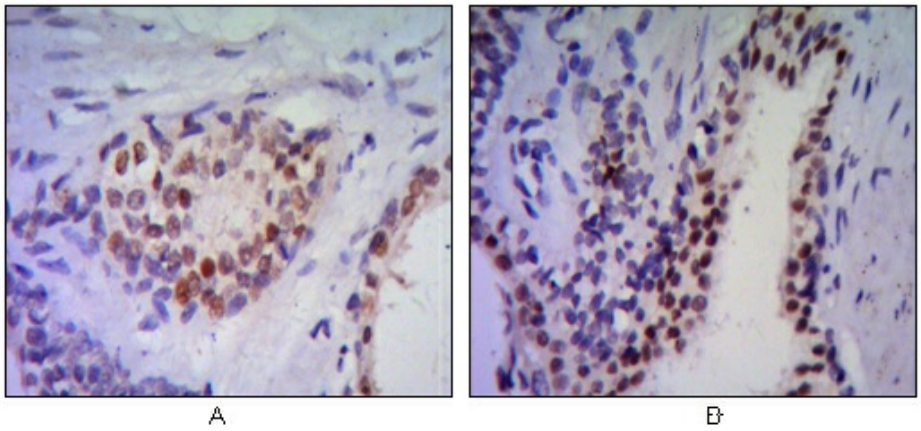
Product images:



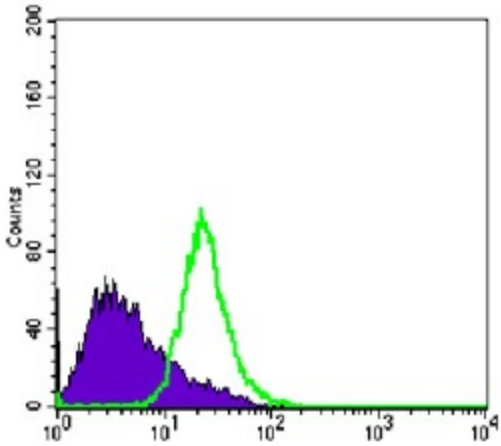
Western blot analysis using NKX3A mouse mAb against LNCaP (1) cell lysate.



Immunohistochemical analysis of paraffin-embedded human Liver tissues using NKX3A mAb



Immunohistochemical analysis of paraffin-embedded human prostata tissues (A, B) using anti-NKX3A antibody with DAB staining.



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