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Product datasheet for CF805112

Nkx3.1 (NKX3-1) Mouse Monoclonal Antibody [Clone ID: OTI4B4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI4B4
Applications:	IHC, WB
Recommended Dilution:	WB 1:2000
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:	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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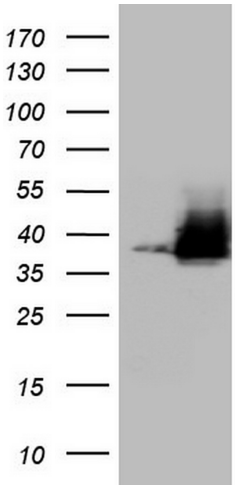
Synonyms: BAPX2; NKX3; NKX3.1; NKX3A

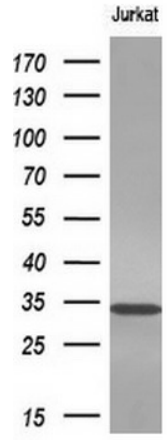
Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: Pathways in cancer, Prostate cancer

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY NKX3-1 ([RC210374], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-NKX3-1. Positive lysates [LY401858] (100ug) and [LC401858] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (10ug) from 1 cell line by using anti-NKX3-1 monoclonal antibody (1:200).

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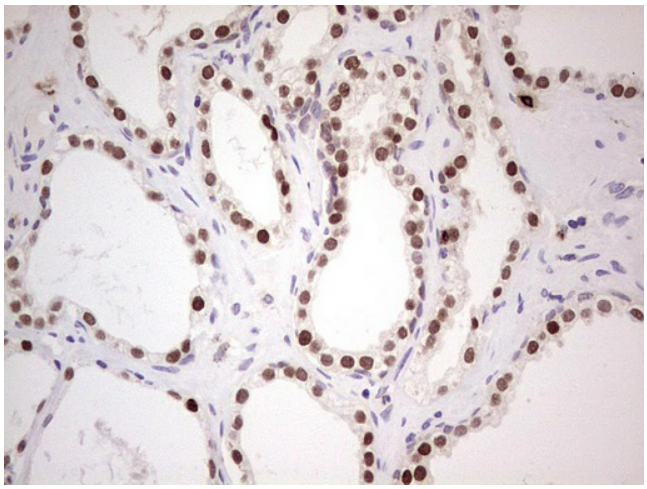

Immunohistochemical staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-NKX3-1 mouse monoclonal antibody. ([TA805112]) Dilution: 1:150

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