10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

NKX3.1 Antibody
Rabbit mAb
Catalog # AP91814

Specification

NKX3.1 Antibody - Product Information

Application	**WB, IHC**
Primary Accession	Q99801
Clonality	**Monoclonal**
Other Names	
NKX3; BAPX2; NKX3A; NKX3.1; NKX3-1;	
Isotype	**Rabbit IgG**
Host	**Rabbit**
Calculated MW	**26350 Da**

NKX3.1 Antibody - Additional Information

Dilution	**WB~~1:1000** **IHC~~1:100~500**
Purification	**Affinity-chromatography**
Immunogen	**A synthesized peptide derived from human Nkx3.1**
Description	**Transcription factor, which binds preferentially the consensus sequence 5'-TAAGT[AG]-3' and can behave as a transcriptional repressor. Play an important role in normal prostate development, regulating proliferation of glandular epithelium and in the formation of ducts in prostate.**
Storage Condition and Buffer	**Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.**

NKX3.1 Antibody - Protein Information

Name NKX3-1 (HGNC:7838)

Function
Transcription factor, which binds preferentially the consensus sequence 5'-TAAGT[AG]-3' and can behave as a transcriptional repressor. Plays an important role in normal prostate development, regulating proliferation of glandular epithelium and in the formation of ducts in prostate. Acts as a tumor suppressor controlling prostate carcinogenesis, as shown by the ability to inhibit proliferation and invasion activities of PC-3 prostate cancer cells.

Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00108, ECO:0000269|PubMed:11137288}

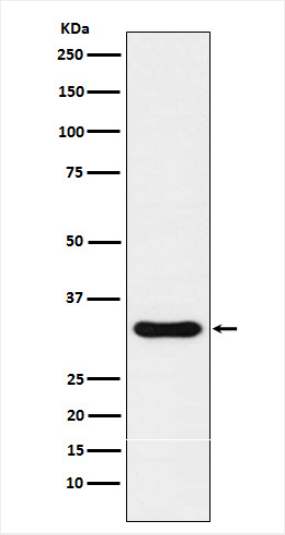
Tissue Location
Highly expressed in the prostate and, at a lower level, in the testis.

NKX3.1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NKX3.1 Antibody - Images



Western blot analysis of Nkx3.1 expression in LNCaP cell lysate.