10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.622.0609

NKX3-1 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP8996c

Specification

NKX3-1 Antibody (Center) Blocking Peptide - Product Information

Primary Accession O99801

NKX3-1 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 4824

Other Names
Homeobox protein Nkx-31, Homeobox protein NK-3 homolog A, NKX3-1, NKX31, NKX3A

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP8996c was selected from the Center region of human NKX3-1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

NKX3-1 Antibody (Center) Blocking Peptide - Protein Information

Name NKX3-1

NKX3-1 Antibody (Center) Blocking Peptide - Background

NKX3-1 is a transcription factor, which binds preferentially the consensus sequence 5'-TAAGT[AG]-3' and can behave as a transcriptional repressor. It play an important role in normal prostate development, regulating proliferation of glandular epithelium and in the formation of ducts in prostate. It 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.

NKX3-1 Antibody (Center) Blocking Peptide - References

Voeller,H.J., et.al., Cancer Res. 57 (20), 4455-4459 (1997)

Synonyms NKX3.1, NKX3A

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 (Center) Blocking Peptide - Protocols

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

- Blocking Peptides