

**NKX3-1 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP8996c****Specification**

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**NKX3-1 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q99801](#)**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](/products/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 ([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 (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **NKX3-1 Antibody (Center) Blocking Peptide - Images**

### **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)