

**NKX3-1 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP17186b****Specification**

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**NKX3-1 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [Q99801](#)**NKX3-1 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 4824**Other Names**

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

**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 (C-term) 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 (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **NKX3-1 Antibody (C-term) Blocking Peptide - Images**

### **NKX3-1 Antibody (C-term) Blocking Peptide - Background**

The homeodomain-containing transcription factor NKX3-1 is a putative prostate tumor suppressor that is expressed in a largely prostate-specific and androgen-regulated manner. Loss of NKX3-1 protein expression is a common finding in human prostate carcinomas and prostatic intraepithelial neoplasia.

### **NKX3-1 Antibody (C-term) Blocking Peptide - References**

Kim, S.T., et al. Prostate 70(16):1729-1738(2010) Takata, R., et al. Nat. Genet. 42(9):751-754(2010) Gurel, B., et al. Am. J. Surg. Pathol. 34(8):1097-1105(2010) Bowen, C., et al. Cancer Res. 70(8):3089-3097(2010) Kunderfranco, P., et al. PLoS ONE 5 (5), E10547 (2010) :