

**NKX3-1 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP17186b**

**Specification**

**NKX3-1 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q99801</a>
Other Accession	<a href="#">NP_006158.2</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit Ig
Calculated MW	26350
Antigen Region	3-1

**NKX3-1 Antibody (C-term) - Additional Information**

**Gene ID** 4824

**Other Names**

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

**Target/Specificity**

This NKX3-1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 159-187 amino acids from the C-terminal region of human NKX3-1.

**Dilution**

WB~~1:1000

**Format**

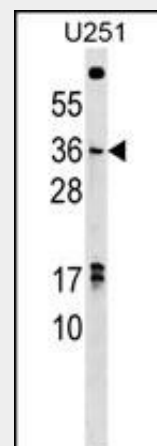
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

NKX3-1 Antibody (C-term) is for research



NKX3-1 Antibody (C-term) (Cat. #AP17186b) western blot analysis in U251 cell line lysates (35ug/lane). This demonstrates the NKX3-1 antibody detected the NKX3-1 protein (arrow).

**NKX3-1 Antibody (C-term) - 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) - 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) :

use only and not for use in diagnostic or therapeutic procedures.

#### **NKX3-1 Antibody (C-term) - Protein Information**

**Name** NKX3-1

**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 (C-term) - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)