

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	O99801
Other Accession	NP_006158.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
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

E~~Use at an assay dependent concentration.

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

NKX3-1 Antibody (C-term) - 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}

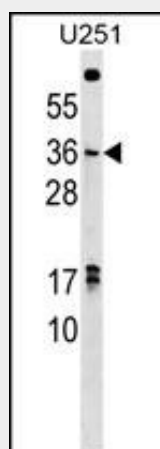
Tissue Location

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

NKX3-1 Antibody (C-term) - 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](#)

NKX3-1 Antibody (C-term) - Images

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) :