

**NKX3-1 Antibody (clone 4H4)**  
**Mouse Monoclonal Antibody**  
**Catalog # ALS13202**

**Specification**

**NKX3-1 Antibody (clone 4H4) - Product Information**

Application	IHC
Primary Accession	<a href="#">O99801</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	26kDa KDa

**NKX3-1 Antibody (clone 4H4) - Additional Information**

**Gene ID** 4824

**Other Names**

Homeobox protein Nkx-3.1, Homeobox protein NK-3 homolog A, NKX3-1, NKX3.1, NKX3A

**Target/Specificity**

Human NKX3-1

**Reconstitution & Storage**

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

**Precautions**

NKX3-1 Antibody (clone 4H4) is for research use only and not for use in diagnostic or therapeutic procedures.

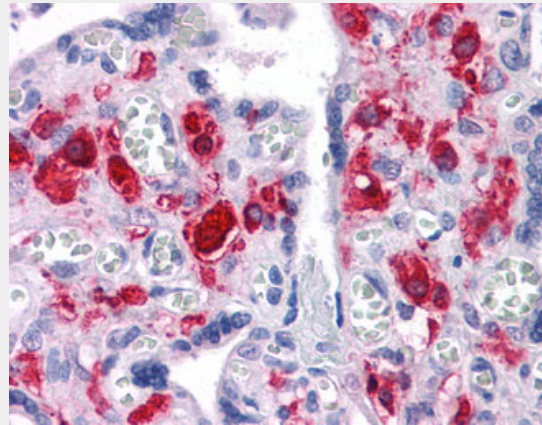
**NKX3-1 Antibody (clone 4H4) - Protein Information**

**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



Anti-NKX3-1 antibody IHC of human placenta.

**NKX3-1 Antibody (clone 4H4) - Background**

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.

**NKX3-1 Antibody (clone 4H4) - References**

He W.-W., et al. *Genomics* 43:69-77(1997).  
Prescott J.L., et al. *Prostate* 35:71-80(1998).  
Korkmaz K.S., et al. *Gene* 260:25-36(2000).  
Chen H., et al. *Cancer Res.* 62:338-340(2002).  
Hosohata K., et al. *Mol. Cell. Biol.* 23:7019-7029(2003).

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.

**Volume**

50 µl

**NKX3-1 Antibody (clone 4H4) - 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](#)