

# Nkx-3.1 Polyclonal Antibody

Catalog # AP71325

### **Product Information**

Application WB, IHC-P
Primary Accession Q99801
Reactivity Human
Host Rabbit
Clonality Polyclonal
Calculated MW 26350

#### **Additional Information**

**Gene ID** 4824

Other Names NKX3-1; NKX3A; Homeobox protein Nkx-3.1; Homeobox protein NK-3

homolog A

**Dilution** WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300.

ELISA: 1/20000. Not yet tested in other applications. IHC-P~~N/A

Format Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium

azide.

Storage Conditions -20°C

#### **Protein Information**

Name NKX3-1 ( <u>HGNC:7838</u>)

**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}

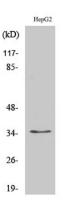
**Tissue Location** Highly expressed in the prostate and, at a lower level, in the testis.

## **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.

## **Images**



Western Blot analysis of various cells using Nkx-3.1 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.