

## NKX3.1 Antibody

Catalog No: #33448

Package Size: #33448-1 50ul #33448-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

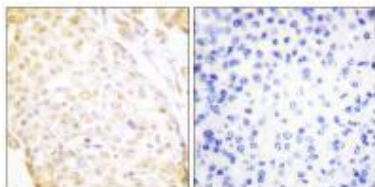
## Description

|                       |  |
|-----------------------|--|
| Product Name          | NKX3.1 Antibody  |
| Host Species          | Rabbit   |
| Clonality             | Polyclonal   |
| Purification          | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                              |
| Applications          | IHC  |
| Species Reactivity    | Hu   |
| Specificity           | The antibody detects endogenous levels of total NKX3.1 protein.  |
| Immunogen Type        | Peptide  |
| Immunogen Description | Synthesized peptide derived from N-terminal of human NKX3.   |
| Target Name           | NKX3.1   |
| Other Names           | Homeobox protein Nkx-3.1; NKX31; NKX3A;  |
| Accession No.         | Swiss-Prot: Q99801NCBI Gene ID: 4824   |
| Uniprot               | Q99801   |
| GeneID                | 4824;  |
| SDS-PAGE MW           | 38kd   |
| Concentration         | 1.0mg/ml   |
| Formulation           | Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Storage               | Store at -20°C   |

## Application Details

Immunohistochemistry: 1:50~1:100

## Images



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using NKX3.1 antibody #33448.

## 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.

Cai Bowen, *Cancer Res.*, Jan 2007; 67: 455 - 464.

Xiang Li, *Mol. Cell. Biol.*, Apr 2006; 26: 3008 - 3017.

Ekatherine Asatiani, *Cancer Res.*, Feb 2005; 65: 1164 - 1173.

Carlise R. Bethel, *Cancer Res.*, Nov 2006; 66: 10683 - 10690.

---

Note: This product is for in vitro research use only