Overview

Product name: Anti-Nkx3.1 antibody, prediluted
Description: Rabbit polyclonal to Nkx3.1, prediluted
Host species: Rabbit
Tested applications: Suitable for: IHC-P
Species reactivity: Reacts with: Human
Immunogen: Synthetic peptide within Human Nkx3.1 aa 1-100 (N terminal). The exact sequence is proprietary. Database link: Q99801
Positive control: Prostate carcinoma.

Properties

Form: Prediluted
Storage instructions: Shipped at 4°C. Store at +4°C.
Storage buffer: pH: 7.60
Preservative: 0.1% Sodium azide
Constituents: Tris buffered saline, 1% BSA
Purity: Immunogen affinity purified
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab41861 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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<td>IHC-P</td>
<td></td>
<td>1/1. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. Ready-to-use for 30 min at RT.</td>
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**Function**
Transcription factor, which binds preferentially the consensus sequence 5'-TAAGT[AG]-3' and can behave as a transcriptional repressor. Play an important role in normal prostate development, regulating proliferation of glandular epithelium and in the formation of ducts in prostate. Act as a tumor suppressor controlling prostate carcinogenesis, as shown by the ability to inhibit proliferation and invasion activities of PC-3 prostate cancer cells.

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

**Sequence similarities**
Belongs to the NK-3 homeobox family. Contains 1 homeobox DNA-binding domain.

**Post-translational modifications**
Ubiquitinated by TOPORS; monoubiquitinated at several residues and also polyubiquitinated on single residues.

**Cellular localization**
Nucleus.

### Images

Ab41861 staining human Nkx3.1 in human prostate by immunohistochemistry using formalin fixed, paraffin embedded tissue.

**Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Nkx3.1 antibody, prediluted (ab41861)**

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