

IHC*easy* NKX3.1 Ready-To-Use IHC Kit

Catalog Number: **KHC1162**

General Information

Sample type:
FFPE tissue
Cited sample type:
Reactivity:
Human
Cited Reactivity:

Assay type:
Immunohistochemistry
Primary antibody type:
Rabbit Polyclonal
Secondary antibody type:
Polymer-HRP-Goat anti-Rabbit

Kit Component

| Component | Size | Concentration |
|--------------------------|--------------------|---------------|
| Antigen Retrieval Buffer | 100 mL | 50× |
| Washing Buffer | 100 mL ×2 | 20× |
| Blocking Buffer | 5 mL | RTU |
| Primary Antibody | 5 mL | RTU |
| Secondary Antibody | 5 mL | RTU |
| Chromogen Component A | 0.2 mL | RTU |
| Chromogen Component B | 4 mL | RTU |
| Signal Enhancer | 5 mL | RTU |
| Counter Staining Reagent | 5 mL | RTU |
| Mounting Media | 5 mL | RTU |
| Control Slide | 1 slide (Optional) | FFPE |
| Datasheet | 1 Copy | |
| Manual | 1 Copy | |

Storage Instructions

All the reagents are stored at 2-8°C. The kit is stable for 6 months from the date of receipt.

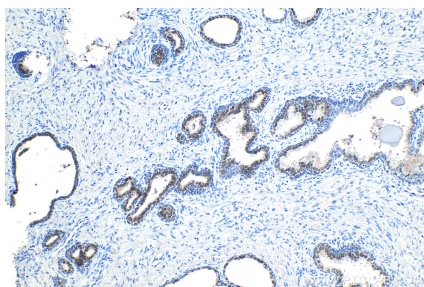
Background

NKX3-1, also named as NKX3.1 and NKX3A, belongs to the NK-3 homeobox family. It is a transcription factor, which binds preferentially the consensus sequence 5'-TAAGT[AG]-3' and can behave as a transcriptional repressor. NKX3-1 plays an important role in normal prostate development, regulating proliferation of glandular epithelium and in the formation of ducts in prostate. It 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.

Synonyms

BAPX2, Homeobox protein Nkx 3.1, NK3 homeobox 1, NKX3, NKX3 1, NKX3.1, NKX3-1, NKX3A

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using KHC1162 (NKX3.1 IHC Kit).