

NKX3.1
Rabbit Monoclonal antibody(Mab)
Catalog # AD80224**Specification**

NKX3.1 - Product info

Application	IHC-P
Primary Accession	Q99801
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Calculated MW	26350

NKX3.1 - Additional info

Gene ID	4824
Gene Name	NKX3-1

Other Names

Homeobox protein Nkx-3.1, Homeobox protein NK-3 homolog A, NKX3-1 (HGNC:7838)

Dilution

IHC-P~~Ready-to-use

Storage

Maintain refrigerated at 2-8°C

Precautions

NKX3.1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

NKX3.1 - Protein Information

Name NKX3-1 ([HGNC:7838](#))

Synonyms**Function****NKX3.1, NKX3A**

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

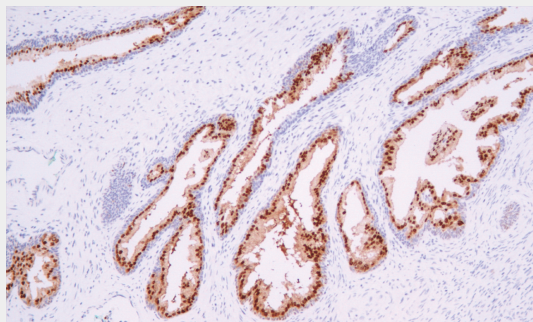
Highly expressed in the prostate and, at a lower level, in the testis.

NKX3.1 - Protocols

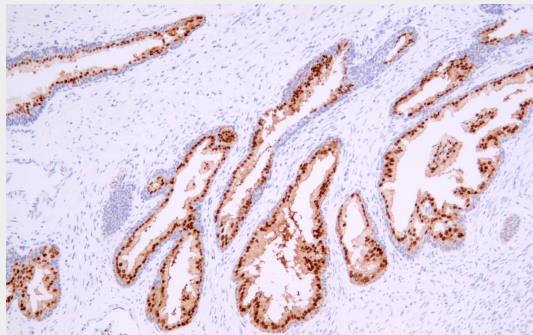
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NKX3.1 - Images



Prostate cancer



Immunohistochemical analysis of paraffin-embedded prostatic cancer tissue using AD80224 performed on the Abcarta® FAIP-30 Fully automated IHC platform. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a EDTA buffer (pH9. 0). Samples were incubated with primary antibody(Ready-to-use) for 15 min at room temperature. AmpSee™ Detection Systems [Abcepta:AR005] was used as the secondary antibody.