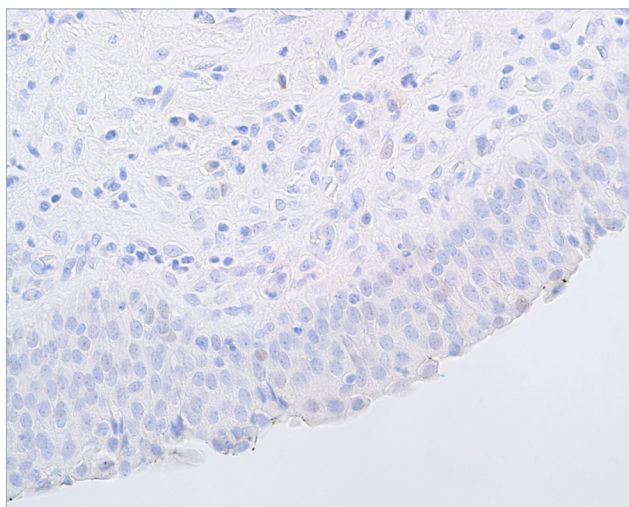
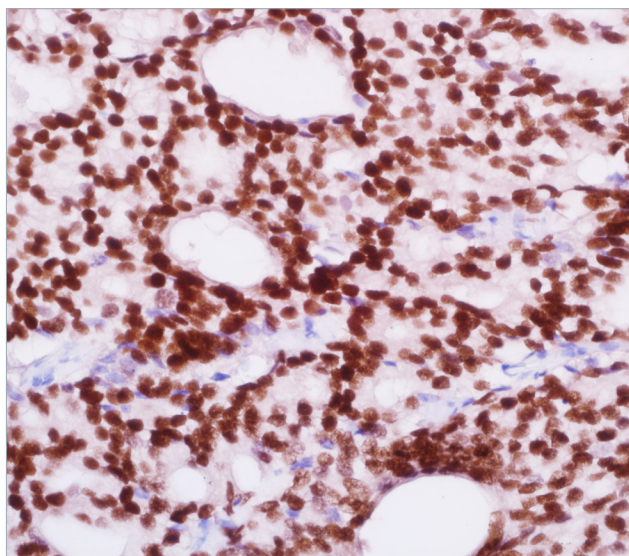
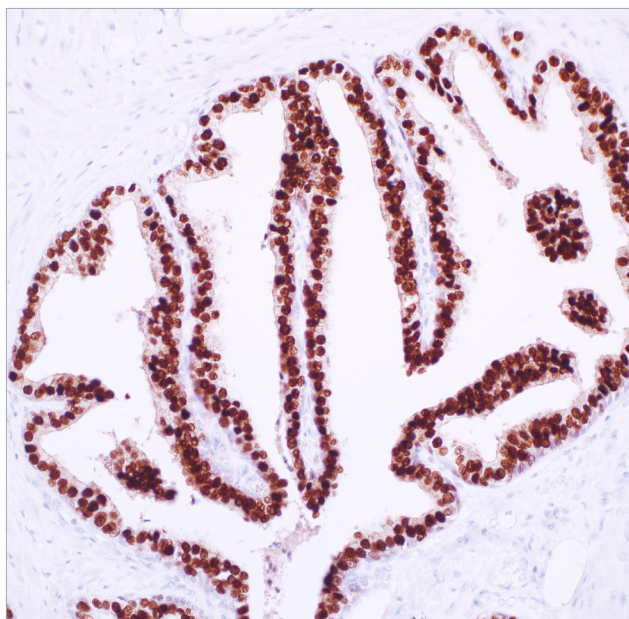


## Spotlight on: NKX3.1 (EP356)



**N**KX3.1 is a prostate-specific homeobox gene protein whose expression is predominantly localized to prostate epithelium. It acts as a transcription factor involved in prostate development. Anti-NKX3.1 labels prostate epithelium, both malignant and benign, with a nuclear visualization. Studies have shown that NKX3.1 immunostaining compares favorably to PSA immunostaining in sensitivity of metastatic prostate adenocarcinoma.<sup>1</sup> NKX3.1 is recommended to be included in a diagnostic panel with PSA, PSAP, cytokeratin 34betaE12, and GATA3.<sup>2</sup>

### Benefits of Rabbit Monoclonal NKX3.1:

- In vitro diagnostic
- Nuclear visualization
- A study conducted by Gurel et al. shows that NKX3.1 is more sensitive than prostate specific antigen (PSA) for metastatic prostate carcinoma.<sup>1</sup>
- NKX3.1 has a 99.7% specificity for prostate.<sup>1</sup>
- NKX3.1 IHC is cited in the best practices recommendations for prostate in the International Society of Urologic Pathology consensus conference.<sup>2</sup>

### References:

1. Gurel B, et al. Am J Surg Pathol. 2010; 34:1097-105.
2. Epstein JI, et al. Am J Surg Pathol. 2014; 38:e6-e19.

### Photo Information:

**Top:** Rabbit monoclonal anti-NKX3.1 stains the nuclei of benign prostatic glandular epithelium.

**Center:** Rabbit monoclonal anti-NKX3.1 strongly labels tumor cell nuclei in prostate carcinoma.

**Bottom:** NKX3.1 is not expressed by bladder.

### Ordering Information:

Volume .....	Part No.	Volume .....	Part No.
0.1 ml, concentrate.....	441R-14	1 ml, prediluted .....	441R-17
0.5 ml, concentrate.....	441R-15	7 ml, prediluted .....	441R-18
1 ml, concentrate .....	441R-16	Positive control slides .....	441S

Using RabMab® technology from Abcam, NKX3.1 has the sensitivity of a rabbit antibody with the specificity and cleanliness of a monoclonal antibody for a strong signal to noise ratio.