

Anti-NKX3.1 Antibody (NT)

ORDERING INFORMATION

Catalog No.: 34013

Size: 100 ug IgG in PBS, pH 7.4, purified by immunoaffinity chromatography.

BACKGROUND

NKX3.1 is a homeobox gene which exhibits prostate- and testis-specific expression. Loss of NKX3.1 expression has been implicated in prostate development and tumorigenesis. NKX3.1 expression is dramatically down-regulated in testicular cancer of germ cell origin. Results suggest that NKX3.1 is essential for normal testis function and that its loss of expression is highly associated with the invasive phenotype of testicular germ cell tumors.

SPECIFICATION SUMMARY

Immunogen: Synthetic peptide corresponding to aa residues 21-37 (TPSKPLTSFLIQDILRD) of human NKX3.1 conjugated to KLH at the C-terminus.

Host Species: Rabbit

Stabilizers: None

Preservatives: None. Available on request.

SPECIFICITY

This antibody recognizes human NKX3.1 (approx. 26 kDa). This sequence is highly conserved in rat and mouse.

APPLICATIONS

Immunoblotting : use at 1:1,000

Positive control: Human prostate tissue extracts.

DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Avoid multiple freeze-thaw cycles.

BACKGROUND REFERENCES:

Lind GE. et al. (2005) Mol Cancer. **4**:8.
Germann E.P. et al. (2003) Prostate **55**:111-117.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.