Recombinant Homeobox protein Nkx-3.1 Antibody

Rabbit Monoclonal Antibody [Clone NKX3.1/4562R]

Catalog No	Format	Size
4824-RBM12-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
4824-RBM12-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
4824-RBM12-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

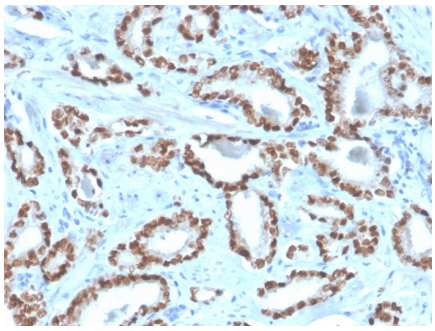
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

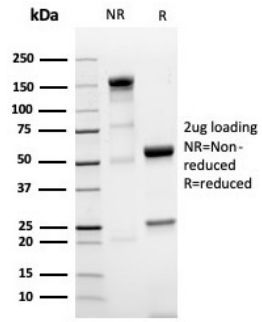
Clone	NKX3.1/4562R
Immunogen	Recombinant fragment (around aa92-224) of the human NKX3.1 protein (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	26.35kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	Highly expressed in the prostate and at a lower level in the testis.

**Optimal dilution for a specific application should be determined.*

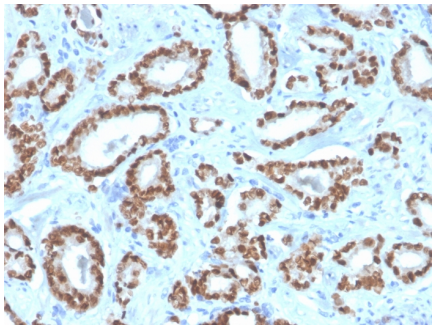
Product Images for Recombinant Homeobox protein Nkx-3.1 Antibody



Formalin-fixed, paraffin-embedded human prostate stained with NKX3.1 Recombinant Rabbit Monoclonal Antibody (NKX3.1/4562R).



SDS-PAGE Analysis of Purified NKX3.1 Recombinant Rabbit Monoclonal Antibody (NKX3.1/4562R). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human prostate stained with NKX3.1 Recombinant Rabbit Monoclonal Antibody (NKX3.1/4562R).

Specificity & Comments

NKX3.1 is a prostate specific gene encoding a transcription factor that plays an important role in normal prostate development and carcinogenesis. It is a prostatic tumor suppressor gene located on chromosome 8p21.2, which frequently undergoes a loss of heterozygosity. NKX3.1 expression is highly restricted in prostate epithelial cells and therefore can be used as a diagnostic biomarker for prostate cancer and other metastatic lesions of prostatic origin. Furthermore, NKX3.1 shows better sensitivity than Prostate Specific Antigen (PSA) for identifying metastatic prostatic adenocarcinoma. This suggests that immunohistochemical staining of NKX3.1, along with other prostate-restricted markers, may be valuable for the definitive determination of prostatic origin in poorly differentiated metastatic carcinomas.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.