

Recombinant NKX3.1 (Metastatic Prostate Adenocarcinoma Marker) Antibody

Mouse Monoclonal Antibody [Clone rNKX3.1/6620]

| Catalog No | Format | Size |
|------------------|---|--------|
| 4824-MSM19-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| 4824-MSM19-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 4824-MSM19-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug |

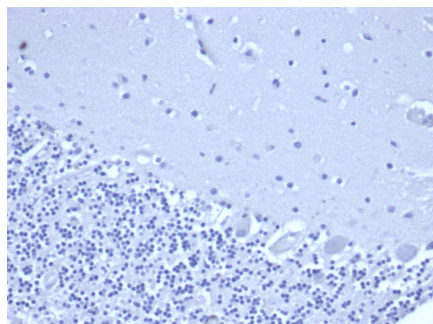
| Applications | Tested Dillution | Note |
|----------------------------|------------------|---|
| Immunohistochemistry (IHC) | 1-2ug/ml | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT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

Product Details

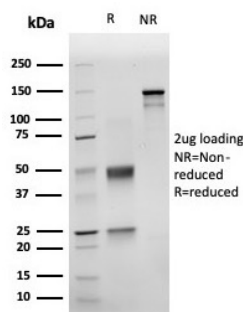
| | |
|------------------------|---|
| Clone | rNKX3.1/6620 |
| Gene Name | NKX3-1 |
| Immunogen | Recombinant fragment (around aa 92-224) of human NKX3.1 protein (exact sequence is proprietary) |
| Host | Mouse |
| Clonality | Monoclonal |
| Isotype / Light Chain | IgG1 / Kappa |
| Mol. Weight of Antigen | 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.*

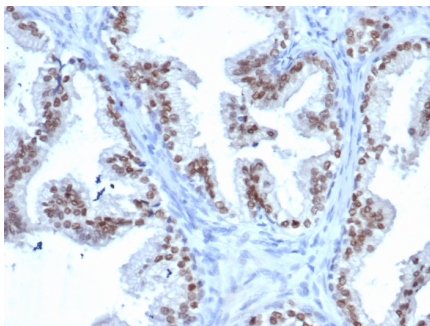
Product Images for Recombinant NKX3.1 (Metastatic Prostate Adenocarcinoma Marker) Antibody



IHC analysis of formalin-fixed, paraffin-embedded human brain. Negative tissue control using rNKX3.1/6620 at 2ug/ml in PBS for 30min RT. HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.



SDS-PAGE Analysis of Purified NKX3.1 Recombinant Mouse Monoclonal Antibody (rNKX3.1/6620). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human prostate stained with NKX3.1 Recombinant Mouse Monoclonal Antibody (rNKX3.1/6620).

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.

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.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. 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.