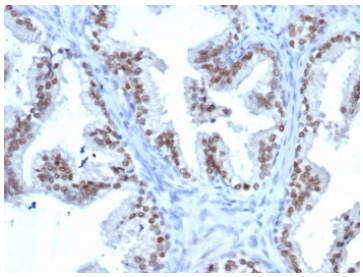
NKX3.1 Antibody [clone rNKX3.1/6620] (V8801)

Catalog No.	Formulation	Size
V8801-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V8801-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V8801SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

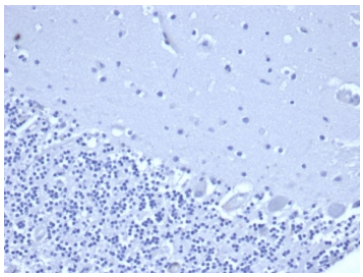
Recombinant MOUSE MONOCLONAL

Bulk quote request

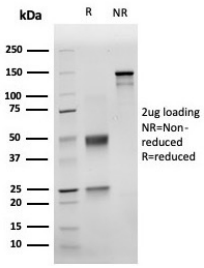
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rNKX3.1/6620
Purity	Protein A/G affinity
UniProt	Q99801
Localization	Nuclear
Applications	ELISA (For Coating Order BSA-free Format) : Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This NKX3.1 antibody is available for research use only.



IHC staining of FFPE human prostate tissue with NKX3.1 antibody (clone rNKX3.1/6620). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Negative control: IHC staining of FFPE human brain tissue using NKX3.1 antibody (clone rNKX3.1/6620) at 2ug/ml in PBS for 30min RT. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free NKX3.1 antibody (rNKX3.1/6620) as confirmation of integrity and purity.

Description

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.

Application Notes

Optimal dilution of the NKX3.1 antibody should be determined by the researcher.

Immunogen

A portion of amino acids 92-224 was used as the immunogen for the NKX3.1 antibody.

Storage

Aliquot the NKX3.1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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