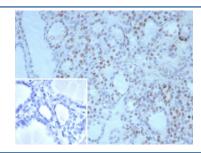


# NKX2.1 Antibody / TTF-1 [clone NX2.1/9030] (V5549)

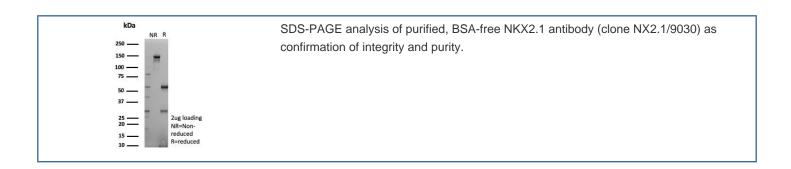
Catalog No.	Formulation	Size
V5549-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5549-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5549SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

## **Bulk quote request**

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	NX2.1/9030
Purity	Protein A/G affinity
UniProt	P43699
Localization	Nucleus
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This NKX2.1 antibody is available for research use only.



IHC staining of FFPE human thyroid tissue with NKX2.1 antibody (clone NX2.1/9030). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



#### **Description**

Homeobox protein Nkx-2.1, also called Thyroid transcription factor-1 (TTF-1) is a member of the NKx2 family of homeodomain transcription factors. It is expressed in epithelial cells of the thyroid gland and the lung. Anti-NKX2.1 is useful in differentiating primary adenocarcinoma of the lung from metastatic carcinomas originating in the breast, mediastinal germ cell tumors, and malignant mesothelioma. It can also be used to differentiate small cell lung carcinoma from lymphoid infiltrates.

#### **Application Notes**

Optimal dilution of the NKX2.1 antibody should be determined by the researcher.

### **Immunogen**

A recombinant fragment (within amino acids 1-200) of human TTF-1 protein was used as the immunogen for the NKX2.1 antibody.

#### **Storage**

Aliquot the NKX2.1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.