

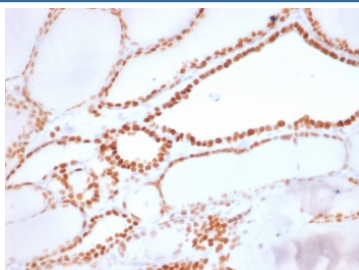
Recombinant NKX2.1 Antibody / TTF-1 Rabbit Monoclonal [clone NX2.1/1855R] (V3655)

Catalog No.	Formulation	Size
V3655-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3655-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3655SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3655IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

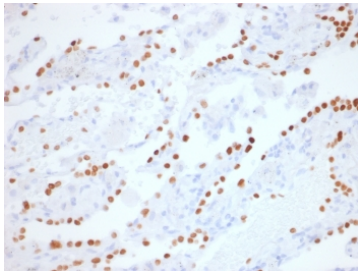
Recombinant RABBIT MONOCLONAL

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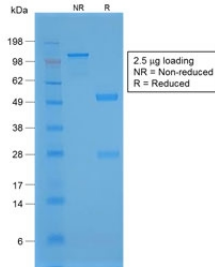
Availability	1-3 business days
Species Reactivity	Human, Mouse, and Rat
Format	Purified
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	NX2.1/1855R
Purity	Protein A affinity chromatography
UniProt	P43699
Localization	Nuclear
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This recombinant NKX2.1 antibody is available for research use only.



IHC: Formalin-fixed, paraffin-embedded human thyroid stained with recombinant NKX2.1 antibody (clone NX2.1/1855R). Required HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



IHC: Formalin-fixed, paraffin-embedded human lung adenocarcinoma stained with recombinant NKX2.1 antibody (clone NX2.1/1855R). Required HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



SDS-PAGE analysis of purified, BSA-free recombinant NKX2.1 antibody (clone NX2.1/1855R) as confirmation of integrity and purity.

Description

NKX2.1/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. Nuclei from liver, stomach, pancreas, small intestine, colon, kidney, breast, skin, testes, pituitary, prostate, and adrenal glands are unreactive. 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. Loss of NKX2.1 expression in non-small cell lung carcinoma has been associated with aggressive behavior of such neoplasms. NKX2.1 reactivity is also seen in thyroid malignancies.

Application Notes

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

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Recombinant protein was used as the immunogen for the recombinant NKX2.1 antibody.

Storage

Store the recombinant NKX2.1 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).