Recombinant TTF-1 / NKX2.1 (Thyroid & Lung Epithelial Marker) Antibody

Rabbit Monoclonal Antibody [Clone NKX2.1/8143R]

Catalog No	Format	Size
7080-RBM13-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
7080-RBM13-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
7080-RBM13-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

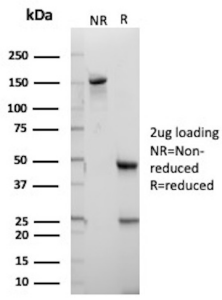
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

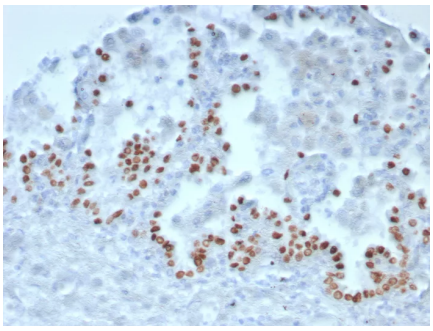
Clone	NKX2.1/8143R
Immunogen	Recombinant fragment (around aa1-371) of the human TTF-1 protein (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	38.6kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	Normal thyroid or lung.

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

Product Images for Recombinant TTF-1 / NKX2.1 (Thyroid & Lung Epithelial Marker) Antibody



SDS-PAGE Analysis of Purified Homeobox protein Nkx-2.1 RecombinantRabbit Monoclonal Antibody (TTF1/8143R). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human lung stained with TTF-1Recombinant Rabbit Monoclonal Antibody (TTF1/8143R). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.

Specificity & Comments

Recognizes a protein of 40kDa, identified as Thyroid transcription factor-1 (TTF-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-TTF-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 TTF-1 expression in non-small cell lung carcinoma has been associated with aggressive behavior of such neoplasms. TTF-1 reactivity is also seen in thyroid malignancies.

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.