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

Mouse Monoclonal Antibody [Clone NX2.1/9030]

Catalog No	Format	Size
7080-MSM20-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
7080-MSM20-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
7080-MSM20-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

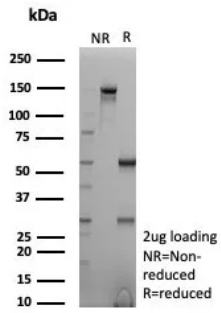
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

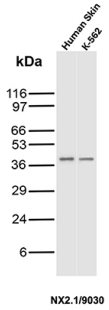
Clone	NX2.1/9030
Gene Name	NKX2-1
Immunogen	Recombinant fragment (around aa1-200) of human TTF-1 protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2a / Kappa
Mol. Weight of Antigen	40kDa
Cellular Localization	Nucleus.
Species Reactivity	Human
Positive Control	Normal thyroid or lung. Skin or K-562.

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

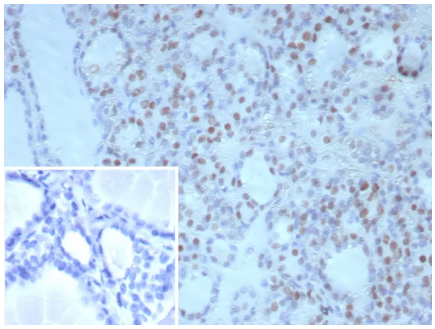
Product Images for TTF-1 / NKX2.1 (Thyroid & Lung Epithelial Marker) Antibody



SDS-PAGE Analysis of Purified TTF-1 Mouse Monoclonal Antibody (NX2.1/9030). Confirmation of Purity and Integrity of Antibody.



Western Blot Analysis of Human Skin and K-562 lysates using TTF-1 Mouse Monoclonal Antibody (NX2.1/9030).



Formalin-fixed, paraffin-embedded human thyroid stained with TTF-1 Mouse Monoclonal Antibody (NX2.1/9030). Inset: PBS instead of primary antibody; secondary only negative control.

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 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.

Research Areas

Neuroscience

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.