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

Rabbit Monoclonal Antibody [Clone MSVA-312R]

Catalog No	Format	Size
7080-RBM37-P0	Purified Ab with BSA and Azide	20 ug
7080-RBM37-P1	Purified Ab with BSA and Azide	100 ug

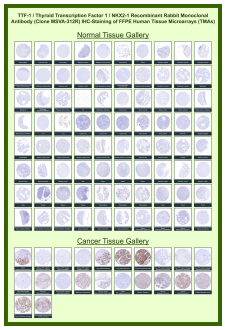
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1:100-1:200	Manual Protocol: Freshly cut sections should be used (less than 10 days between cutting and staining). Heat-induced antigen retrieval for 5 minutes in an autoclave at 121°C in pH 7.8 Target Retrieval Solution buffer. Apply the antibody at a dilution of 1:100 at 37°C for 60 minutes. Visualization of bound antibody by the EnVision Kit (Dako, Agilent) according to the manufacturer's directions.

Product Details

Clone	MSVA-312R
Immunogen	Recombinant full-length human NXK2-1 (TTF-1) protein
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	40kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	Lung: Nuclear TTF1 staining should be strong in pneumocytes and in basal cells of the terminal bronchioles while a weaker, still moderate to strong staining should be seen in columnar epithelial cells of the terminal bronchioles (low expressor control).

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

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



Homeobox protein Nkx-2.1 Rabbit Recombinant Monoclonal Antibody (MSVA-312R) tested on many normal and cancer tissues. The immunohistochemistry staining in these tissues aligns with the expression data in Human Protein Atlas.

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

Ab produced in CHO cell mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide.

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.