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

Mouse Monoclonal Antibody [Clone NX2.1/9032]

Catalog No	Format	Size
7080-MSM22-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
7080-MSM22-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
7080-MSM22-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

Product Details

Clone	NX2.1/9032
Immunogen	Recombinant human NKX2-1 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	38.6kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	Thyroid and lung

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

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

Specificity & Comments

Transcription factor that binds and activates the promoter of thyroid specific genes such as thyroglobulin, thyroperoxidase, and thyrotropin receptor. Crucial in the maintenance of the thyroid differentiation phenotype. May play a role in lung development and surfactant homeostasis. Forms a regulatory loop with GRHL2 that coordinates lung epithelial cell morphogenesis and differentiation. Activates the transcription of GNRHR and plays a role in enhancing the circadian oscillation of its gene expression. Represses the transcription of the circadian transcriptional repressor NR1D1 (By similarity).

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein 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.

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.