Medaysis
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Mouse Anti-TTF1/NKX2.1 [8G7G3/1]: MC0358, MC0358RTU7

Intended Use: For Research Use Only

Description: Anti-TTF-1 (Thyroid Transcription Factor 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 labelling is also seen in thyroid malignancies.

Specifications

Clone: 8G7G3/1
Source: Mouse
Isotype: IgG1
Reactivity: Human
Localization: Nucleus
Formulation: Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
Storage: Store at 2°- 8°C
Applications: IHC
Package:

Description	Catalog No.	Size
TTF1/NKX2.1 Concentrated	MC0358	1 ml
TTF1/NKX2.1 Prediluted	MC0358RTU7	7 ml

IHC Procedure

Positive Control Tissue: Lung adenocarcinoma, thyroid cancer
Concentrated Dilution: 50-200
Pretreatment: Citrate pH6.0 or EDTA pH8.0, 15 min Pressure Cooker or 30-60 min water bath at 95°-99°C
Incubation Time and Temp: 30-60 minutes @ RT
Detection: Refer to the detection system manual
* Result should be confirmed by an established diagnostic procedure.
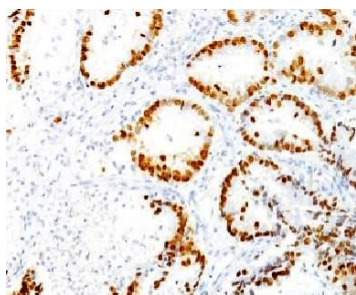
FFPE human lung adenocarcinoma stained with anti-TTF1 using DAB

References:

1. Preserved energy balance in mice lacking FoxO1 in neurons of Nkx2.1 lineage reveals functional heterogeneity of FoxO1 signaling within the hypothalamus. Heinrich G, et al. Diabetes 63:1572-82, 2014.
2. A fine decision tree consisted of CK5/6, IMP3 and TTF1 for cytological diagnosis among reactive mesothelial cells, metastatic adenocarcinoma of lung and non-lung origin in pleural effusion. Yan J, et al. Int J Clin Exp Pathol. Aug 15;7(9):5810-8, 2014.