

TTF1 (AB1381) mouse mAb

W0401

Key Features

Host Species

- Mouse

Reactivity

- Human; Mouse; Rat;

Applications

- IHC; WB; IF; ELISA

MW

- 39 kDa (calculated)
- 39 kDa (observed)

Isotype

- IgG1, kappa

Recommended Dilution Ratios

Application

IHC; WB; IF; ELISA

Dilution

IHC, 1:50-1:200 | WB, 1:500-1:2000 | IF, 1:100-1:500 | ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Storage

Storage Conditions

Store at -20°C. Avoid freeze / thaw cycles.

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality	Monoclonal
Clone Number	AB1381
Immunogen	A synthetic peptide corresponding to the amino acid region 50 - 150 of the human TTF1 protein.
Specificity	The antibody can specifically recognize human TTF1 protein.
Purification	Affinity purification Protein A
Concentration	Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name	NKX2-1		
Protein Name	TTF1		
Database Link	Organism	Swiss Prot.	Gene ID
	Human	P43699	7080

Background	Thyroid transcription factor 1 (TTF-1) is a nuclear protein with a molecular weight of 38-40 kDa. It is the basic material for thyroid differentiation and the regulation of thyroglobulin secretion. It can promote the transport of thyroid peroxidase and iodine / sodium. TTF-1 is mainly distributed in type II alveolar epithelium, respiratory epithelium and Clara cells of thyroid and lung in adult tissues, but it is not expressed in type I alveolar epithelium. It is mainly used for the diagnosis of small cell lung cancer, the differential diagnosis of primary lung adenocarcinoma from metastatic adenocarcinoma, and the differential diagnosis of lung cancer from malignant mesothelioma and paraganglioma of pleura.
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