

## Anti-TTF1 Rabbit Monoclonal Antibody Catalog # ABO16179

### Specification

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#### Anti-TTF1 Rabbit Monoclonal Antibody - Product Information

Application	WB, IHC
Primary Accession	<a href="#">P43699</a>
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

#### Description

Anti-TTF1 Rabbit Monoclonal Antibody . Tested in WB, IHC applications. This antibody reacts with Human, Mouse, Rat.

#### Anti-TTF1 Rabbit Monoclonal Antibody - Additional Information

**Gene ID** 7080

#### Other Names

Homeobox protein Nkx-2.1, Homeobox protein NK-2 homolog A, Thyroid nuclear factor 1, Thyroid transcription factor 1, TTF-1, Thyroid-specific enhancer-binding protein, T/EBP, NKX2-1 ([http://www.genenames.org/cgi-bin/gene\\_symbol\\_report?hgnc\\_id=11825](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=11825))>HGNC:11825</a>), NKX2A, TTF1, TTF1

#### Calculated MW

38-42 kDa KDa

#### Application Details

WB 1:500-1:2000<br>IHC 1:50-1:200

#### Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

#### Immunogen

A synthesized peptide derived from human TTF1

#### Purification

Affinity-chromatography

#### Storage

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

#### Anti-TTF1 Rabbit Monoclonal Antibody - Protein Information

**Name** NKX2-1 ([HGNC:11825](#))

**Synonyms** NKX2A, TTF1, TTF1

**Function**

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).

**Cellular Location**

Nucleus {ECO:0000250|UniProtKB:P50220}.

**Tissue Location**

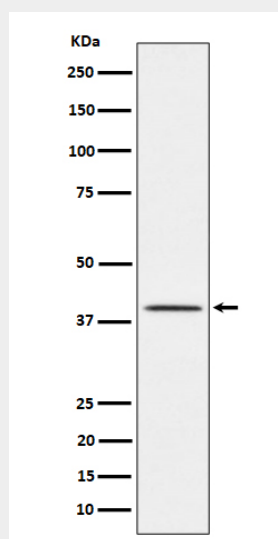
Thyroid and lung.

**Anti-TTF1 Rabbit Monoclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-TTF1 Rabbit Monoclonal Antibody - Images**



Western blot analysis of TTF1 expression in Rat lung cell lysate.