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TTF-1

Rabbit Monoclonal antibody(Mab)
Catalog # AD80352

Specification

TTF-1 - Product info

Application	**IHC-P, IHC**
Primary Accession	P43699
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Monoclonal**
Calculated MW	**38596**

TTF-1 - Additional info

Gene ID	**7080**
Gene Name	**NKX2-1 (HGNC:11825)**

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 (HGNC:11825), NKX2A, TITF1, TTF1

Dilution
IHC-P~~Ready-to-use
IHC~~Ready-to-use

Storage	**This product is stored at 2-311 °C, please use it within the expiration date.**
Precautions	**TTF-1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.**

TTF-1 - Protein Information

Name NKX2-1 (HGNC:11825)

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**

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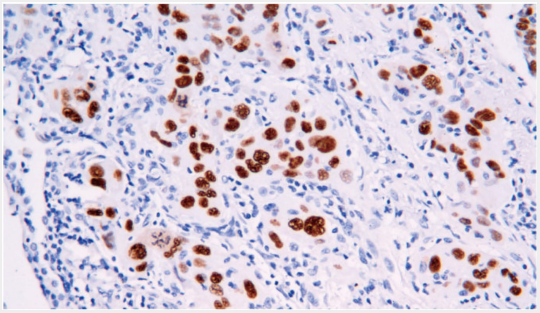
	oscillation of its gene expression. Represses the transcription of the circadian transcriptional repressor NR1D1 (By similarity).
Cellular Location	**Nucleus {ECO:0000250|UniProtKB:P50220}.**
Tissue Location	**Thyroid and lung.**

TTF-1 - Protocols

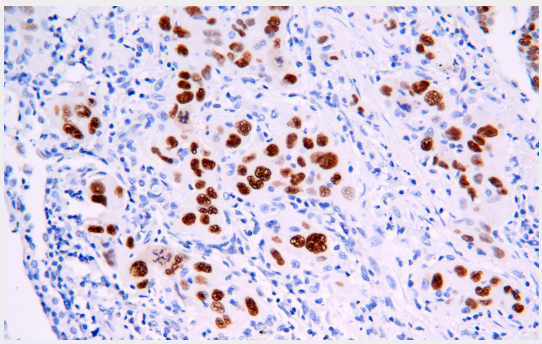
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

TTF-1 - Images



Lung adenocarcinoma



Immunohistochemical analysis of paraffin-embedded 0 tissue using AD80297 performed on the Abcarta® FAIP-30 Fully automated IHC platform.Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a Citrate buffer (pH6. 0).Samples were incubated with primary antibody(Ready-to-use) for 15 min at room temperature. AmpSeeTM Detection Systems（Abcepta:AR005） was used as the secondary antibody.