

TTF1 Antibody

Rabbit mAb Catalog # AP90318

Specification

TTF1 Antibody - Product Information

Application WB, IHC, FC, ICC

Primary Accession P43699
Reactivity Rat

Clonality Monoclonal

Other Names

BCH; BHC; NK-2; TEBP; TTF1; NKX2A; TITF1; TTF-1; NKX2.1;

Isotype Rabbit IgG
Host Rabbit
Calculated MW 38596 Da

TTF1 Antibody - Additional Information

Purification Affinity-chromatography

Immunogen A synthesized peptide derived from human

TTF1

Description This gene encodes a protein initially

identified as a thyroid-specific

transcription factor. The encoded protein binds to the thyroglobulin promoter and

regulates the expression of

thyroid-specific genes but has also been shown to regulate the expression of genes involved in morphogenesis. Mutations and deletions in this gene are associated with benign hereditary chorea, choreoathetosis, congenital hypothyroidism, and neonatal

respiratory distress, and may be associated with thyroid cancer.

Storage Condition and Buffer Rabbit IgG in phosphate buffered saline,

pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid

freeze / thaw cycle.

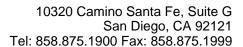
TTF1 Antibody - Protein Information

Name NKX2-1 (HGNC:11825)

Synonyms NKX2A, TITF1, 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 LocationNucleus {ECO:0000250|UniProtKB:P50220}.

Tissue Location Thyroid and lung.

TTF1 Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

TTF1 Antibody - Images

