

Product datasheet for **TA323321**

TTF1 (NKX2-1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 200-1000 WB positive control: Mouse lung tissue
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region derived from 18-31 amino acids of human NK2 homeobox 1
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	42 kDa
Gene Name:	NK2 homeobox 1
Database Link:	NP_001073136 Entrez Gene 21869 Mouse Entrez Gene 25628 Rat Entrez Gene 7080 Human P43699



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Background:

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. Multiple transcript variants encoding different isoforms have been found for this gene. This gene shares the symbol/alias 'TFF1' with another gene; transcription termination factor 1; which plays a role in ribosomal gene transcription.

Synonyms:

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

Protein Families:

Druggable Genome, ES Cell Differentiation/IPS, Transcription Factors

Product images:

Gel: 10%SDS-PAGE

Lysate: 40 µg

Lane: Mouse lung tissue

Primary antibody: TA323321 (NKX2-1 Antibody) at dilution 1/300

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 1 minute