

NKX2-1 Rabbit mAb

Catalog No.: A22247 **Recombinant**

Basic Information

Observed MW

42kDa

Calculated MW

39kDa

Category

Primary antibody

Applications

ELISA, WB

Cross-Reactivity

Human, Mouse

CloneNo number

ARC51284

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 'TTF1' with another gene, transcription termination factor 1, which plays a role in ribosomal gene transcription.

Recommended Dilutions

WB 1:1000 - 1:5000

Immunogen Information

Gene ID

7080

Swiss Prot

P43699

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 20-110 of human NKX2-1 (NP_003308.1).

Synonyms

BCH; BHC; NK-2; TEBP; TTF1; NKX2A; NMTC1; T/EBP; TITF1; TTF-1; NKX2.1; NKX2-1

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

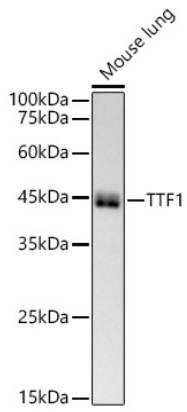
Affinity purification

Storage

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

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of lysates from Mouse lung, using NKX2-1 Rabbit mAb (A22247) at 1:2000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.