

For Research Use Only

TTF1; NKX2-1 Polyclonal ANTIBODY

Catalog Number: 21777-1-AP



Basic Information

Catalog Number:

21777-1-AP

Size:

150UL, Concentration: 313 µg/ml by
Bradford method using BSA as the
standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_003317

GeneID (NCBI):

7080

Full Name:

NK2 homeobox 1

Calculated MW:

42 kDa

Observed MW:

41-45 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB: HeLa cells, mouse lung tissue, rat brain tissue,
A549 cells, mouse brain tissue

Background Information

NKX2-1, also named as NKX2A, TTF1 and TTF1, belongs to the NK-2 homeobox family. It is a transcription factor that binds and activates the promoter of thyroid specific genes such as thyroglobulin, thyroperoxidase, and thyrotropin receptor. NKX2-1 is crucial in the maintenance of the thyroid differentiation phenotype. It may play a role in lung development and surfactant homeostasis. Defects in NKX2-1 are the cause of benign hereditary chorea (BHC), choreoathetosis, hypothyroidism, and neonatal respiratory distress (CHNRD). The antibody is specific to NKX2-1.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

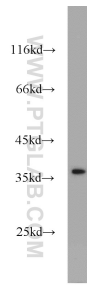
For technical support and original validation data for this product please contact:

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Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 21777-1-AP (NIKX2-1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.