

For Research Use Only

# TTF1/NKX2-1 Polyclonal antibody

Catalog Number: 21777-1-AP

3 Publications



## Basic Information

Catalog Number:

21777-1-AP

Concentration:

600 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_003317

GeneID (NCBI):

7080

UNIPROT ID:

P43699

Full Name:

NK2 homeobox 1

Calculated MW:

42 kDa

Observed MW:

45-50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:2000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

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

## Background Information

NKX2-1, also named as NKX2A, TITF1 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Qi Xu	36341965	Environ Toxicol Pharmacol	WB
Shuangjun He	39730036	Environ Pollut	WB
Simeng Wang	39514336	Cancer Res	IP

## Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

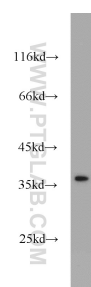
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 21777-1-AP (NIX2-1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.