

TTF1/NKX2-1 Monoclonal antibody, PBS Only

Catalog Number: 66034-1-PBS

Basic Information

Catalog Number:

66034-1-PBS

Concentration:

1mg/ml

Source:

Mouse

Isotype:

IgG3

GenBank Accession Number:

NM_003317

GeneID (NCBI):

7080

UNIPROT ID:

P43699

Full Name:

NK2 homeobox 1

Calculated MW:

42 kDa

Observed MW:

41 kDa

Purification Method:

Protein A purification

CloneNo.:

2C8F3

Applications

Tested Applications:

WB, IHC, IF-P, ELISA

Species Specificity:

human, pig

Background Information

Homeobox protein Nkx-2.1 (NKX2-1), also named Thyroid nuclear factor 1, Thyroid transcription factor 1 (TTF1). It is a 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. Defects in NKX2-1 are the cause of benign hereditary chorea (BHC), choreoathetosis, hypothyroidism, and neonatal respiratory distress (CHNRD).

Storage

Storage:

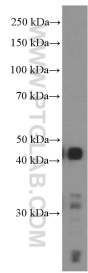
Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

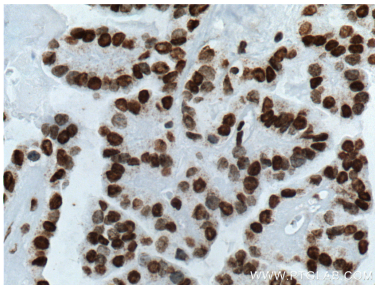
Storage Buffer:

PBS only, pH7.3

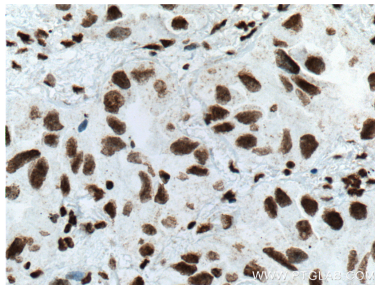
Selected Validation Data



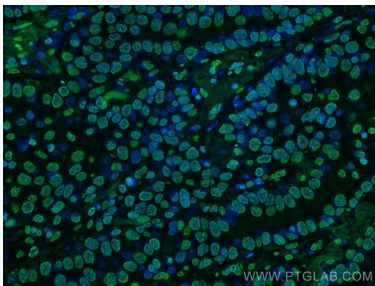
HepG2 cells were subjected to SDS PAGE followed by western blot with 66034-1-Ig (TTF1/NKX2-1 antibody at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66034-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using 66034-1-Ig (TTF1/NKX2-1 antibody at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66034-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 66034-1-Ig (TTF1/NKX2-1 antibody at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66034-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed human lung cancer tissue using TTF1 antibody (66034-1-Ig, Clone: 2C8F3) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66034-1-PBS in a different storage buffer formulation.