

For Research Use Only

TTF1 Monoclonal antibody, PBS Only

Catalog Number: 66034-1-PBS



Basic Information

Catalog Number: 66034-1-PBS	GenBank Accession Number: NM_003317	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 7080	CloneNo.: 2C8F3
Source: Mouse	UNIPROT ID: P43699	
Isotype: IgG3	Full Name: NK2 homeobox 1	
	Calculated MW: 42 kDa	
	Observed MW: 41 kDa	

Applications

Tested Applications:
WB, IF, IHC, 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

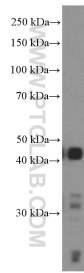
Storage:
Store at -80°C.

Storage Buffer:
PBS only

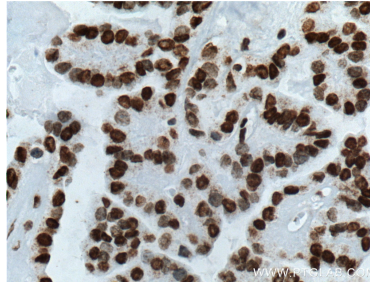
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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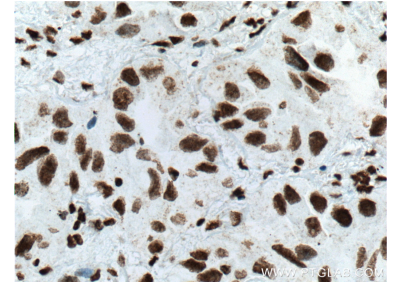
Selected Validation Data



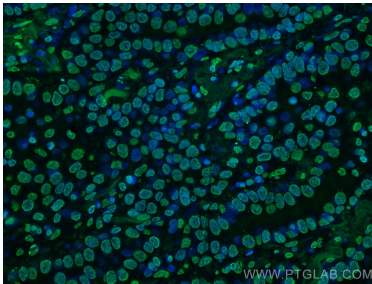
HepG2 cells were subjected to SDS PAGE followed by western blot with 66034-1-Ig (TTF1 antibody at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66034-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using 66034-1-Ig (TTF1 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 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.