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Anti-NKX2-1 Antibody

Rabbit polyclonal antibody to NKX2-1
Catalog # AP59718

Product Information

Application	WB
Primary Accession	P43699
Other Accession	P50220
Reactivity	Human, Mouse, Rat, Zebrafish, Pig, Dog, SARS
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38596

Additional Information

Gene ID	7080
Other Names	NKX2A; TITF1; TTF1; Homeobox protein Nkx-2.1; Homeobox protein NK-2 homolog A; Thyroid nuclear factor 1; Thyroid transcription factor 1; TTF-1
Target/Specificity	Recognizes endogenous levels of NKX2-1 protein.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

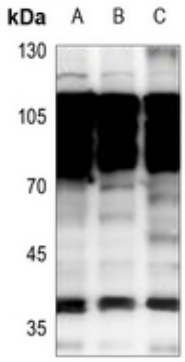
Name	NKX2-1 (HGNC:11825)
Synonyms	NKX2A, TITF1, TTF1
Function	Transcription factor that binds and activates the promoter of thyroid specific genes such as thyroglobulin, thyroperoxidase, and thyrotropin receptor. Crucial in the maintenance of the thyroid differentiation phenotype. May play a role in lung development and surfactant homeostasis. Forms a regulatory loop with GRHL2 that coordinates lung epithelial cell morphogenesis and differentiation. Activates the transcription of GNRHR and plays a role in enhancing the circadian oscillation of its gene expression. Represses the transcription of the circadian transcriptional repressor NR1D1 (By similarity).
Cellular Location	Nucleus {ECO:0000250|UniProtKB:P50220}. Thyroid and lung.

Tissue Location

Background

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human NKX2-1. The exact sequence is proprietary.

Images



Western blot analysis of NKX2-1 expression in A549 (A), H1792 (B), HCC827 (C) whole cell lysates.