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Anti-NKX2-1 Antibody

Catalog # AP59718

Product Information

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

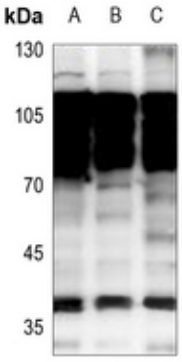
Additional Information

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	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human NKX2-1. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% 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}.
Tissue Location	Thyroid and lung.

Images



Western blot analysis of NKX2-1 expression in A549 (A), H1792 (B), HCC827 (C) whole cell lysates. (Predicted band size: 38 kD; Observed band size: 38 kD)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.