

Rabbit NKX2-1 Polyclonal Antibody | anti-NKX2-1 antibody

NKX2-1 Antibody (N-term)

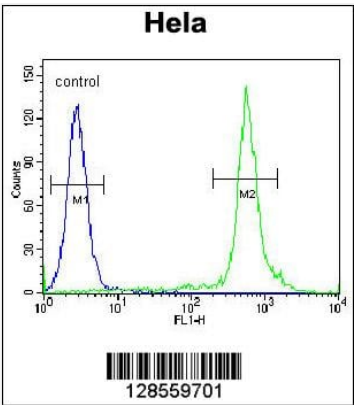
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290041	Rabbit	Human (Predicted Reactivity: Mouse, Rat)	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

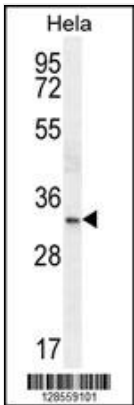
NKX2-1; Polyclonal Antibody; NKX2-1 Antibody (N-term); Homeobox protein Nkx-21; Homeobox protein NK-2 homolog A; Thyroid nuclear factor 1; Thyroid transcription factor 1; TTF-1; Thyroid-specific enhancer-binding protein; T/EBP; NKX2A; TITF1; TTF1; anti-NKX2-1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This NKX2-1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human NKX2-1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	2-1
Sequence Length	401
Applicable Applications for anti-NKX2-1 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
NKX2-1 Antibody (N-term) flow cytometric analysis of HeLa cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
NKX2-1 Antibody (N-term) western blot analysis in HeLa cell line lysates (35ug/lane). This demonstrates the NKX2-1 antibody detected the NKX2-1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-NKX2-1 antibody	This gene encodes a protein initially identified as a thyroid-specific transcription factor. The encoded protein binds to thyroglobulin promoter and regulates the expression of thyroid-specific genes but has also been shown to regulate the expression of genes involved in morphogenesis. Mutations and deletions in this gene are associated with benign hereditary chorea, choreoathetosis, congenital hypothyroidism, and neonatal respiratory distress, and may be associated with thyroid cancer. Multiple transcript variants encoding different isoforms have been found for this gene.
References	Kim, J.H., et al. Acta Cytol. 54(3):277-282(2010) Xu, B., et al. Appl. Immunohistochem. Mol. Morphol. 18(3):244-249(2010) Narumi, S., et al. J. Clin. Endocrinol. Metab. 95(4):1981-1985(2010) Guillot, L., et al. Hum. Mutat. 31 (2), E1146-E1162 (2010) : Cantara, S., et al. Thyroid Res 3 (1), 4 (2010) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	118766339
NCBI GeneID	7080
NCBI Accession #	NP_001073136.1; NP_003308.1
NCBI GenBank Nucleotide #	NM_001079668.2
UniProt Accession #	P43699; O14954; O14955; Q7KZF6; Q9BRJ8; D3DSA3
Molecular Weight	38596
NCBI Official Full Name	homeobox protein Nkx-2.1 isoform 1
NCBI Official Synonym Full Names	NK2 homeobox 1
NCBI Official Symbol	NKX2-1
NCBI Official Synonym Symbols	BCH; BHC; NK-2; TEBP; TTF1; NKX2A; T/EBP; TITF1; TTF-1; NKX2.1
NCBI Protein Information	homeobox protein Nkx-2.1
UniProt Protein Name	Homeobox protein Nkx-2.1

UniProt Gene Name	NKX2-1
UniProt Synonym Gene Names	TTF-1; T/EBP
UniProt Entry Name	NKX21_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nkx2-1-antibody-flow-cytometry-western-blot-elisa/290041>