

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

NKX2-1 Antibody

CATALOG # AAA39874	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot, ELISA
------------------------------	-----------------------	--	--

PRODUCT SYNONYMS

NKX2-1; Polyclonal Antibody; NKX2-1 Antibody; BCH; BHC; NK-2; TEBP; TTF1; NKX2A; TITF1; TTF-1; NKX2.1; Homeobox protein NK-2 homolog A; NK2 homeobox 1; anti-NKX2-1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	NKX2-1 antibody is predicted to not cross-react with other NK2 homeobox family members. At least three isoforms of NKX2-1 are known to exist; this antibody will detect all three.
Purity/Purification	NKX2-1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	401
Applicable Applications for anti-NKX2-1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	NKX2-1 antibody was raised against a 16 amino acid synthetic peptide near the amino terminus of human NKX2-1.
Buffer	NKX2-1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	NKX2-1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IF (Immunofluorescence)

Immunofluorescence of NKX2-1 in human lung tissue with NKX2-1 antibody at 20 μg/mL.



IHC (Immunohistochemistry)

Immunohistochemistry of NKX2-1 in human lung tissue with NKX2-1 antibody at 2.5 μg/mL.



WB (Western Blot)

Western blot analysis of NKX2-1 expression in human lung tissue lysate with NKX2-1 antibody at (A) 0.25 and (B) 0.5 μg/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-NKX2-1 antibody	NKX2-1 Antibody: NKX2-1 (NK2 homeobox 1) has been identified as a thyroid-specific transcription factor that binds and activates the promoter of thyroid specific genes such as thyroglobulin and thyrotropin receptor. NKX2-1 is crucial in the maintenance of the thyroid differentiation phenotype and morphogenesis. It contains one homeobox DNA-binding domain. NKX2-1 also may play a role in lung development and surfactant homeostasis. Mutations and deletions in this gene are associated with benign hereditary chorea, congenital hypothyroidism, neonatal respiratory distress, and may be associated with thyroid cancer. NKX2-1 has been suggested to be a candidate suppressor of malignant progression.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	118766339
NCBI GeneID	7080
NCBI Accession #	NP_001073136.1
NCBI GenBank Nucleotide #	NM_001079668.2
UniProt Accession #	P43699; O14954; O14955; Q7KZF6; Q9BRJ8; D3DSA3
Molecular Weight	41,737 Da
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; NK-2 homolog A; thyroid nuclear factor 1; thyroid transcription factor 1; homeobox protein NK-2 homolog A; thyroid-specific enhancer-binding protein
UniProt Protein Name	Homeobox protein Nkx-2.1
UniProt Gene Name	NKX2-1
UniProt Synonym Gene Names	NKX2A; TITF1; TTF1; 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/nkx2-1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/39874>