

Rabbit NKX2-2 Polyclonal Antibody | anti-NKX2-2 antibody

NKX2-2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40386	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

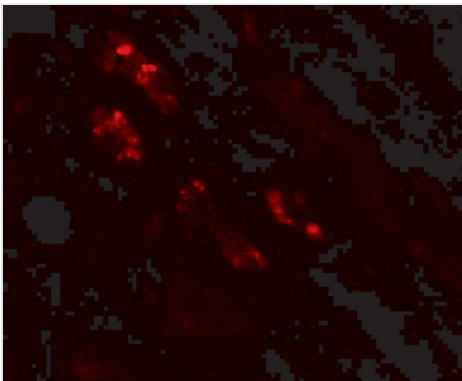
PRODUCT SYNONYMS

NKX2-2; Polyclonal Antibody; NKX2-2 Antibody; NKX2B; NKX2.2; Homeobox protein NK-2 homolog B; NK2 homeobox 2; anti-NKX2-2 antibody

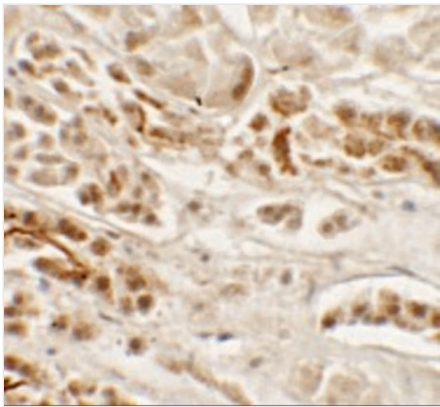
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	NKX2-2 antibody is predicted to not cross-react with other NK2 homeobox family members.
Purity/Purification	NKX2-2 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	273
Applicable Applications for anti-NKX2-2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	NKX2-2 antibody was raised against a 19 amino acid synthetic peptide near the center of human NKX2-2.
Buffer	NKX2-2 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	NKX2-2 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.

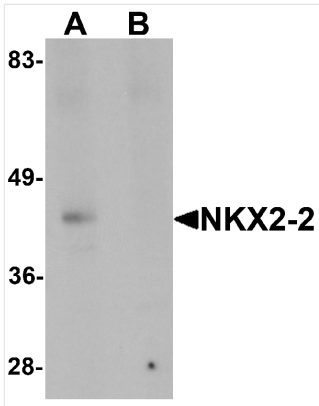
IMAGES



IF (Immunofluorescence)
Immunofluorescence of NKX2-2 in human kidney tissue with NKX2-2 antibody at 20 μ g/mL.



IHC (Immunohistochemistry)
Immunohistochemistry of NKX2-2 in human kidney tissue with NKX2-2 antibody at 2.5 μ g/mL.



WB (Western Blot)
Western blot analysis of NKX2-2 in rat kidney tissue lysate with NKX2-2 antibody at 1 μ g/mL in (A) the absence and (B) the presence of blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-NKX2-2 antibody	NKX2-2 Antibody: NKX2-2 (NK2 homeobox 2) is a member of a family of transcription factors that are involved in embryonic development and cell fate. NKX2-2 is crucial in the development of pancreatic islet cell differentiation and activates the ghrelin-promoter in these cells. NKX2-2 is expressed at the onset of pancreatic epithelium formation and becomes restricted to mature β -, δ - and PP cells, and in NKX2-2-null mice embryos, all β -cells and most α -cells are replaced by ghrelin-positive cells. NKX2-2 is also thought to be involved in ventral neuronal patterning and floor plate development and commissural axon guidance.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505401
NCBI GeneID	4821
NCBI Accession #	NP_002500
NCBI GenBank Nucleotide #	NM_002509.3
UniProt Accession #	O95096
Molecular Weight	30,133 Da
NCBI Official Full Name	homeobox protein Nkx-2.2
NCBI Official Synonym Full Names	NK2 homeobox 2

NCBI Official Symbol	NKX2-2
NCBI Official Synonym Symbols	NKX2B; NKX2.2
NCBI Protein Information	homeobox protein Nkx-2.2; NK-2 homolog B; homeobox protein NK-2 homolog B; NK2 transcription factor-like protein B; NK2 transcription factor related, locus 2
UniProt Protein Name	Homeobox protein Nkx-2.2
UniProt Gene Name	NKX2-2
UniProt Synonym Gene Names	NKX2.2; NKX2B
UniProt Entry Name	NKX22_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/nkx2-2-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/40386>