

Rabbit NKX6-1 Polyclonal Antibody | anti-NKX6-1 antibody

NKX6-1 Antibody (C-term)

CATALOG # AAA288814	HOST Rabbit	REACTIVITY Human, mouse (Predicted Reactivity: Rat)	APPLICATIONS ELISA, Western Blot
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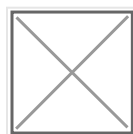
PRODUCT SYNONYMS

NKX6-1; Polyclonal Antibody; NKX6-1 Antibody (C-term); Homeobox protein Nkx-61; Homeobox protein NK-6 homolog A; NKX6A; anti-NKX6-1 antibody

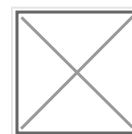
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This NKX6-1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 285-314 amino acids from the C-terminal region of human NKX6-1.
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.
Sequence Positions	6-1
Sequence Length	367
Applicable Applications for anti-NKX6-1 antibody	ELISA, WB (Western Blot)
Function	Transcription factor which binds to specific A/T-rich DNA sequences in the promoter regions of a number of genes. Involved in the development of insulin-producing beta cells in the islets of Langerhans at the secondary transition (By similarity). Together with NKX2-2 and IRX3 acts to restrict the generation of motor neurons to the appropriate region of the neural tube. Belongs to the class II proteins of neuronal progenitor factors, which are induced by SHH signals (By similarity).
Cellular Location	Nucleus.
Tissue Location	Pancreatic beta cells.
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES


WB (Western Blot)

NKX6-1 Antibody (C-term) (AAA288814) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the NKX6-1 antibody detected the NKX6-1 protein (arrow).


WB (Western Blot)

NKX6-1 Antibody (C-term) (AAA288814) western blot analysis in mouse liver tissue lysates (35ug/lane). This demonstrates the NKX6-1 antibody detected the NKX6-1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-NKX6-1 antibody	In the pancreas, NKX6.1 is required for the development of beta cells and is a potent bifunctional transcription regulator that binds to AT-rich sequences within the promoter region of target genes lype et al. (2004) [PubMed 15056733].[supplied by OMIM].
Product Categories/Family for anti-NKX6-1 antibody	Developmental Biology; Signal Transduction
References	Donelan, W., et al. J. Biol. Chem. 285(16):12181-12189(2010) Zhu, S., et al. Dig. Dis. Sci. 54(5):996-1002(2009) Schisler, J.C., et al. Mol. Cell. Biol. 28(10):3465-3476(2008) Yokoi, N., et al. Diabetes 55(8):2379-2386(2006) Hori, Y., et al. PLoS Med. 2 (4), E103 (2005) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	111120318
NCBI GeneID	4825
NCBI Accession #	NP_006159.2
NCBI GenBank Nucleotide #	NM_006168.2
UniProt Accession #	P78426
Molecular Weight	Calculated MW: 37849
NCBI Official Full Name	homeobox protein Nkx-6.1
NCBI Official Synonym Full Names	NK6 homeobox 1
NCBI Official Symbol	NKX6-1
NCBI Official Synonym Symbols	NKX6A; NKX6.1
NCBI Protein Information	homeobox protein Nkx-6.1
UniProt Protein Name	Homeobox protein Nkx-6.1
UniProt Gene Name	NKX6-1
UniProt Synonym Gene Names	NKX6A
UniProt Entry Name	NKX61_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/nkx6-1-antibody-western-blot-elisa/288814>