

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

NKX6-1 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA197443	Rabbit	Cow, Dog, Horse, Human, Mouse, Pig, Rabbit, Rat, Zebrafish	Western Blot

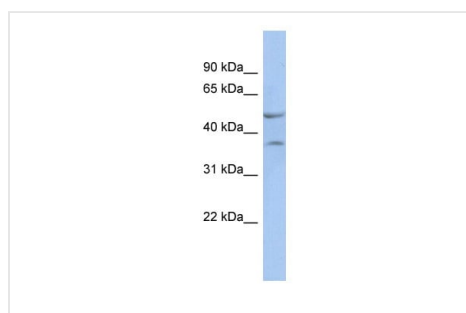
PRODUCT SYNONYMS

NKX6-1; Polyclonal Antibody; NKX6-1 antibody - N-terminal region; anti-NKX6-1 antibody

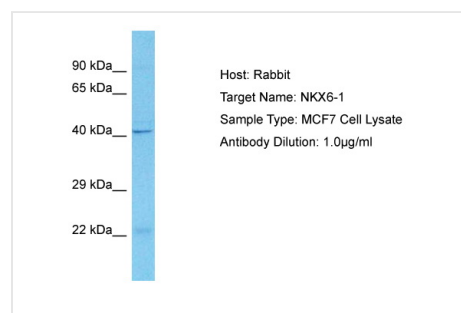
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Horse, Human, Mouse, Pig, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: ML AVGAMEGTRQ SAFLLSSPPL AALHSMAEMK TPLYPAAYPP LPAGPPSS
Sequence Length	367
Applicable Applications for anti-NKX6-1 antibody	WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 86%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human NKX6-1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES

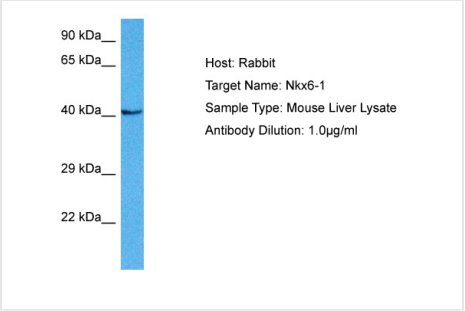


WB (Western Blot)

WB Suggested Anti-NKX6-1 Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:62500
Positive Control: Human Small Intestine


WB (Western Blot)

Host: Rabbit
Target Name: NKX6-1
Sample Tissue: Human MCF7 Whole Cell
Antibody Dilution: 1ug/ml



WB (Western Blot)
Host: MouseTarget Name: NKX6-1Sample Tissue: Mouse LiverAntibody Dilution: 1ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-NKX6-1 antibody	This is a rabbit polyclonal antibody against NKX6-1. It was validated on Western Blot using a cell lysate as a positive control. Target Description: NKX6-1 is the transcription factor which binds to specific A/T-rich DNA sequences in the promoter regions of a number of genes. NKX6-1 is involved in transcriptional regulation in islet beta cells. Binds to the insulin promoter and is involved in regulation of the insulin gene. Together with NKX2-2 and IRX3, NKX6-1 acts to restrict the generation of motor neurons to the appropriate region of the neural tube. NKX6-1 belongs to the class II proteins of neuronal progenitor factors, which are induced by SHH signals.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]. PRIMARYREFSEQ_SPAN PRIMARY_IDENTIFIER PRIMARY_SPAN COMP 1-300 U66797.1 1-300 301-307 AC096766.3 119394-119400 c 308-676 U66797.1 308-676 677-849 U66798.1 7-179 850-1116 U66799.1 7-273
Product Categories/Family for anti-NKX6-1 antibody	Polyclonal; Transcription Factor; Transcription Regulation; Transcription Regulation; Developmental Biology; Signal Transduction; Transcription Factors; Cell Differentiation

NCBI AND UNIPROT INFORMATION

NCBI GI #	111120318
NCBI GeneID	4825
NCBI Accession #	NP_006159
NCBI GenBank Nucleotide #	NM_006168
UniProt Accession #	P78426
Molecular Weight	38kDa
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

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.

