

Rabbit Nkx2-5 Polyclonal Antibody | anti-NKX2-5 antibody

Nkx2-5 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA197189	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat	Western Blot

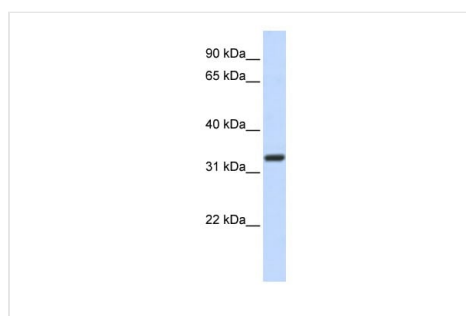
PRODUCT SYNONYMS

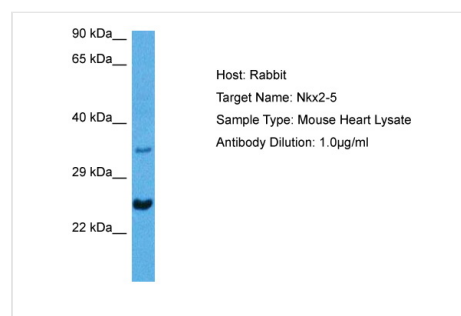
Nkx2-5; Polyclonal Antibody; Nkx2-5 antibody - N-terminal region; anti-NKX2-5 antibody

PRODUCT SPECIFICATIONS

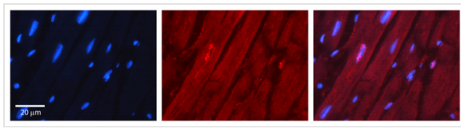
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: EL GRAPSPAKCA SAFPAAPAFY PRAYSDDPDA KDPRAEKKEL CALQKAVE
Sequence Length	324
Applicable Applications for anti-NKX2-5 antibody	WB (Western Blot)
Homology	Cow: 85%; Dog: 85%; Guinea Pig: 92%; Horse: 77%; Human: 100%; Mouse: 92%; Rabbit: 77%; Rat: 92%
Immunogen	The immunogen is a synthetic peptide directed towards the n terminal region of human Nkx2-5
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-Nkx2-5 Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:312500
Positive Control: MCF7 cell lysate

WB (Western Blot)

Host: Mouse
Target Name: NKX2-5
Sample Tissue: Mouse Heart
Antibody Dilution: 1ug/ml



IHC (Immunohistochemistry)
 Rabbit Anti-NKX2-5 Antibody
 Formalin Fixed Paraffin Embedded Tissue: Human Heart Muscle
 Tissue Observed Staining: Nucleus
 Primary Antibody Concentration: 1:100
 Other Working Concentrations: 1:600
 Secondary Antibody: Donkey anti-Rabbit-Cy3
 Secondary Antibody Concentration: 1:200
 Magnification: 20X
 Exposure Time: 0.5 - 2.0 sec

ADDITIONAL INFORMATION

Related Product Information for anti-NKX2-5 antibody	This is a rabbit polyclonal antibody against NKX2-5. It was validated on Western Blot using a cell lysate as a positive control. Target Description: Homeobox-containing genes play critical roles in regulating tissue-specific gene expression essential for tissue differentiation, as well as determining the temporal and spatial patterns of development. It has been demonstrated that a Drosophila homeobox-containing gene called 'tinman' is expressed in the developing dorsal vessel and in the equivalent of the vertebrate heart. Mutations in tinman result in loss of heart formation in the embryo, suggesting that tinman is essential for Drosophila heart formation. Furthermore, abundant expression of Csx, the presumptive mouse homolog of tinman, is observed only in the heart from the time of cardiac differentiation. CSX, the human homolog of murine Csx, has a homeodomain sequence identical to that of Csx and is expressed only in the heart, again suggesting that CSX plays an important role in human heart formation. Homeobox-containing genes play critical roles in regulating tissue-specific gene expression essential for tissue differentiation, as well as determining the temporal and spatial patterns of development (Shiojima et al., 1995 [PubMed 7665173]). It has been demonstrated that a Drosophila homeobox-containing gene called 'tinman' is expressed in the developing dorsal vessel and in the equivalent of the vertebrate heart. Mutations in tinman result in loss of heart formation in the embryo, suggesting that tinman is essential for Drosophila heart formation. Furthermore, abundant expression of Csx, the presumptive mouse homolog of tinman, is observed only in the heart from the time of cardiac differentiation. CSX, the human homolog of murine Csx, has a homeodomain sequence identical to that of Csx and is expressed only in the heart, again suggesting that CSX plays an important role in human heart formation.[supplied by OMIM]. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. PRIMARYREFSEQ_SPAN PRIMARY_IDENTIFIER PRIMARY_SPAN COMP 1-1211 U34962.1 1-1211 1212-1585 BC025711.1 1143-1516
Product Categories/Family for anti-NKX2-5 antibody	Polyclonal; Transcription Factor; Transcription Regulation; Transcription Regulation; Cardiovascular; Developmental Biology; Neuroscience; Disease Related; Transcription Factors; Cell Differentiation

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758090
NCBI GeneID	1482
NCBI Accession #	NP_004378
NCBI GenBank Nucleotide #	NM_004387
UniProt Accession #	P52952
Molecular Weight	35kDa
NCBI Official Full Name	homeobox protein Nkx-2.5 isoform 1
NCBI Official Synonym Full Names	NK2 homeobox 5
NCBI Official Symbol	NKX2-5
NCBI Official Synonym Symbols	CSX; CSX1; VSD3; CHNG5; HLHS2; NKX2E; NKX2.5; NKX4-1
NCBI Protein Information	homeobox protein Nkx-2.5
UniProt Protein Name	Homeobox protein Nkx-2.5

UniProt Gene Name	NKX2-5
UniProt Synonym Gene Names	CSX; NKX2.5; NKX2E
UniProt Entry Name	NKX25_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/nkx2-5-antibody-western-blot-elisa/197189>