

NKX2-5 polyclonal antibody (A01)

Catalog # H00001482-A01

Size 50 uL

Specification

Product Description	Mouse polyclonal antibody raised against a full-length recombinant NKX2-5.
Immunogen	NKX2-5 (AAH25711, 1 a.a. ~ 324 a.a) full-length recombinant protein with GST tag.
Sequence	MFPSPALTPTPFVKDILNLEQQQRSLAAAGEL SARLEATLAPSSCMLAAFKPEAYAGPEAAAAPG LPELRAELGRAPSPAKCASAFPAAPAFYPRAYSDPDPAKDPRAEKKELCALQKAVELEKTEADN AERPRARRRRKPRVLF SQAQVYELERRFKQQRYSAPERDQLASVLKLTSTQVKWVFQNRYYKC KRQRQDQTLELVGLPPPPPPPARIAVPVLVRDGPCLGDSAPYAPAYGVGLNPYGYNAYPAYP GYGGAACSPGYSC TAAYPAGPSPAQPATAAANNFVNFGVGD LNAVQSPGIPQSN SGVSTLHGI RAW
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- ELISA

Gene Info — NKX2-5

Entrez GeneID	1482
GeneBank Accession#	BC025711
Protein Accession#	AAH25711

Gene Name	NKX2-5
Gene Alias	CHNG5, CSX, CSX1, NKX2.5, NKX2E, NKX4-1
Gene Description	NK2 transcription factor related, locus 5 (Drosophila)
Omim ID	108900 187500 600584
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	NK2 transcription factor homolog E NK2 transcription factor related, locus 5 cardiac-specific homeobox tinman paralog

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