DNAxPAb | Hard-to-Find Antibody

NKX2-5 DNAxPab

Catalog # H00001482-W01P Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human NKX2-5 DNA using DNAx™ Immune te chnology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MFPSPALTPTPFSVKDILNLEQQQRSLAAAGELSARLEATLAPSSCMLAAFKPEAYAGPEAAAPG LPELRAELGRAPSPAKCASAFPAAPAFYPRAYSDPDPAKDPRAEKKELCALQKAVELEKTEADN AERPRARRRRKPRVLFSQAQVYELERRFKQQRYLSAPERDQLASVLKLTSTQVKIWFQNRRYKC KRQRQDQTLELVGLPPPPPPPARRIAVPVLVRDGKPCLGDSAPYAPAYGVGLNPYGYNAYPAYP GYGGAACSPGYSCTAAYPAGPSPAQPATAAANNNFVNFGVGDLNAVQSPGIPQSNSGVSTLHGI RAW
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — NKX2-5

Entrez GeneID	1482
GeneBank Accession#	NM_004387.2
Protein Accession#	NP_004378.1
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 homeo box|tinman paralog

Disease

- Alagille Syndrome
- Arthritis
- Atrial Fibrillation
- Cardiovascular Diseases
- Chromosome Deletion
- Congenital Hypothyroidism

- Diabetes Mellitus
- Down Syndrome
- Ductus Arteriosus
- Ebstein Anomaly
- Edema
- Genetic Predisposition to Disease
- Graves Disease
- Hand Deformities
- Heart Block
- Heart Defects
- Heart Septal Defects
- Hypoplastic Left Heart Syndrome
- Lupus Erythematosus
- Tetralogy of Fallot