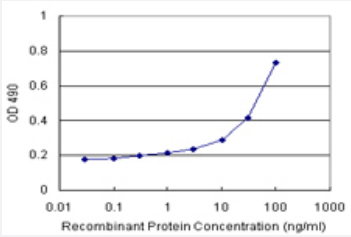
NKX2-5 (Human) Matched Antibody Pair

Catalog # H00001482-AP11 Size 1 Set

Applications



Sandwich ELISA detection sensitivity ranging from 3 ng/ml to 100 ng/ml.

Specification

Product Description	This antibody pair set comes with a matched antibody pair to detect and quantify the protein level of human NKX2-5.
Reactivity	Human
Quality Control Testing	Standard curve using recombinant protein (H00001482-P01) as an analyte. Sandwich ELISA detection sensitivity ranging from 3 ng/ml to 100 ng/ml.
Supplied Product	Antibody pair set content: 1. Capture antibody: rabbit MaxPab® affinity purified polyclonal anti-NKX2-5 (100 ug) 2. Detection antibody: mouse monoclonal anti-NKX2-5, IgG1 Kappa (20 ug) *Reagents are sufficient for at least 1-2 x 96 well plates using recommended protocols.
Storage Instruction	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze tha w cycle. Reagents should be returned to -20°C storage immediately after use.

Applications

- ELISA Pair (Recombinant protein)

Protocol Download

Gene Info — NKX2-5

Entrez GeneID	1482
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