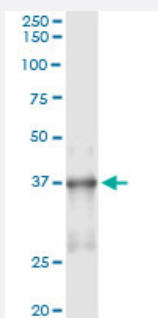


NKX2-5 (Human) IP-WB Antibody Pair

Catalog # H00001482-PW2

Size 1 Set

Applications



Immunoprecipitation of NKX2-5 transfected lysate using mouse monoclonal anti-NKX2-5 and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with rabbit polyclonal anti-NKX2-5.

Specification

Product Description	This IP-WB antibody pair set comes with one antibody for immunoprecipitation and another to detect the precipitated protein in western blot.
Reactivity	Human
Quality Control Testing	Immunoprecipitation-Western Blot (IP-WB) Immunoprecipitation of NKX2-5 transfected lysate using mouse monoclonal anti-NKX2-5 and Protein A Magnetic Bead (U0007), and immunoblotted with rabbit polyclonal anti-NKX2-5.
Supplied Product	Antibody pair set content: 1. Antibody pair for IP: mouse monoclonal anti-NKX2-5 (300 ug) 2. Antibody pair for WB: rabbit polyclonal anti-NKX2-5 (50 ul)
Storage Instruction	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

Applications

- Immunoprecipitation-Western Blot

[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 homeobox|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](#)
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- [Heart Septal Defects](#)
- [Hypoplastic Left Heart Syndrome](#)
- [Lupus Erythematosus](#)
- [Tetralogy of Fallot](#)