

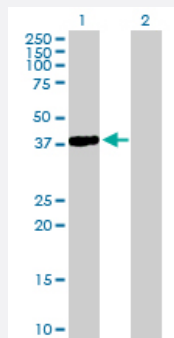
MaxPab®

NKX2-5 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00001482-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of NKX2-5 expression in transfected 293T cell line ([H00001482-T01](#)) by NKX2-5 MaxPab polyclonal antibody.

Lane 1: NKX2-5 transfected lysate(34.90 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human NKX2-5 protein.
Immunogen	NKX2-5 (NP_004378.1, 1 a.a. ~ 324 a.a) full-length human protein.
Sequence	MFPSPALTPTPFVKDILNLEQQQRSLAAAGELSARLEATLAPSSCMLAAFKPEAYAGPEAAAAPG LPELRAELGRAPSPAKCASAFPAAPAFYPRAYSDDPAKDPRAEKKELCALQKAVELEKTEADN AERPRARRRRKPRVLFSSQAQVYELERRFKQQRYSAPERDQLASVLKLTSTQVKMWFQNRKYC KRQRQDQTLVLGLPPPPPPPARRIAVPVLVRDGGKPCLGDSAPYAPAYGVGLNPYGYNAYPAYP GYGGAACSPGYSCAAYPAGPSAPATAAANNFVNFVGVGLNAVQSPGIPQSNVSGVSTLHGI RAW
Host	Rabbit
Reactivity	Human
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.

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[Protocol Download](#)

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 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](#)
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- [Hypoplastic Left Heart Syndrome](#)
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