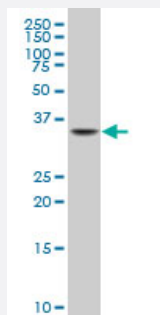


NKX2-5 monoclonal antibody (M03), clone 3A7

Catalog # H00001482-M03

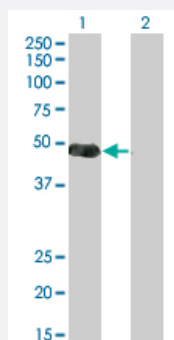
Size 100 ug

Applications



Western Blot (Cell lysate)

NKX2-5 monoclonal antibody (M03), clone 3A7 Western Blot analysis of NKX2-5 expression in C32 (Cat # L002V1).

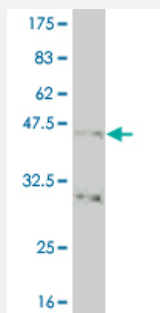


Western Blot (Transfected lysate)

Western Blot analysis of NKX2-5 expression in transfected 293T cell line by NKX2-5 monoclonal antibody (M03), clone 3A7.

Lane 1: NKX2-5 transfected lysate(34.9 KDa).

Lane 2: Non-transfected lysate.



Western Blot detection against Immunogen (40.41 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant NKX2-5.

Immunogen	NKX2-5 (NP_004378, 1 a.a. ~ 130 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MFPSPALTPTPFVKDILNLEQQQRSLAAAGELSARLEATLAPSSCMLAAFKPEAYAGPEAAAPGLPELRAELGRAPSPAKCASAFPAAPAFYPRAYSDPDPAKDPRAEKKELCALQKAVELEKTEADNA*
Host	Mouse
Reactivity	Human
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (40.41 KDa) .
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 (Cell lysate)

NKX2-5 monoclonal antibody (M03), clone 3A7 Western Blot analysis of NKX2-5 expression in C32 (Cat # L002V1).

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- Western Blot (Transfected lysate)

Western Blot analysis of NKX2-5 expression in transfected 293T cell line by NKX2-5 monoclonal antibody (M03), clone 3A7.

Lane 1: NKX2-5 transfected lysate(34.9 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

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- ELISA

Gene Info — NKX2-5

Entrez GeneID

[1482](#)

GeneBank Accession#	NM_004387
Protein Accession#	NP_004378
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](#)
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- [Ductus Arteriosus](#)
- [Ebstein Anomaly](#)

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