

International Office

Everest Biotech Ltd

Vector Laboratories, Inc. 6737 Mowry Ave Newark, CA 94560 United States

Customer Service:

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

EB09412 - Goat Anti-CSX1 / NKX2-5 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: NKX2-5, NK2 transcription factor related, locus 5 (Drosophila), CHNG5, CSX, CSX1, NKX2.5, NKX2E, NKX4-1, NK2 transcription factor homolog E, NK2

transcription factor related, locus 5, cardiac-specific homeo box, tinman paralog

Official Symbol: NKX2-5

Accession Number(s): NP_004378.1; NP_001159647.1; NP_001159648.1

Human GeneID(s): 1482

Non-Human GenelD(s): 18091 (mouse), 114109 (rat)

Important Comments: This antibody is expected to recognize all three reported isoforms

(NP_004378.1; NP_001159647.1; NP_001159648.1).

Immunogen

Peptide with sequence C-PRAYSDPDPAKDPR, from the internal region of the protein sequence according to NP_004378.1; NP_001159647.1; NP_001159648.1.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:32000.

Western blot: Approx. 38kDa band observed in Mouse Heart lysates (calculated MW of 34.2kDa according to NP_032726.1). Recommended concentration: 1-3µg/ml. Primary incubation 1 hour at room temperature.

IHC: Paraffin embedded Human Heart. Recommended concentration: 5-6µg/ml.

Species Reactivity

Tested: Human, Mouse

Expected from sequence similarity: Human, Mouse, Rat, Cow, Dog

Specific Reference

This antibody has been successfully used in Western blot on Rat:

Sergio Li Calzi, Todd Cook, Domenico G. Della Rocca, Juan Zhang, Vinayak Shenoy, Yuanqing Yan, Andrew Espejo, Anandharajan Rathinasabapathy, Max H. Jacobsen, Tatiana Salazar, George E. Sandusky, Lynn C. Shaw, Keith March, Mohan K. Raizada, Carl J. Pepine, Michael J. Katovich, and Maria B. Grant

Complementary Embryonic and Adult Cell Populations Enhance Myocardial Repair in Rat Myocardial Injury Model

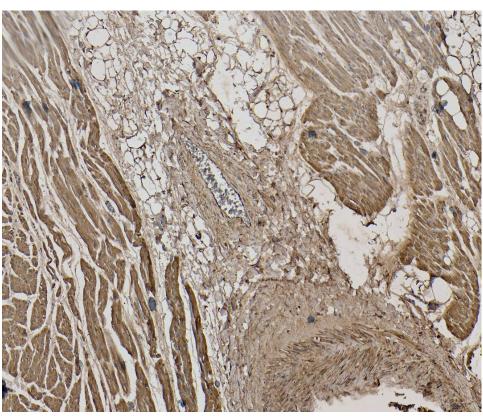
Stem Cells International Volume 2019, Article ID 3945850, 11 pages

https://doi.org/10.1155/2019/3945850 (2019)

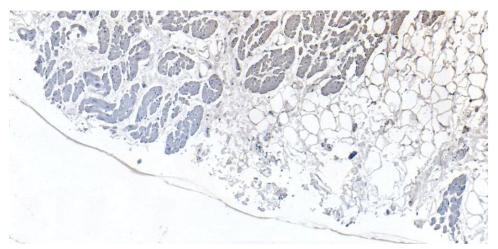
PMID: 31781239

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

EB09412 (1 μ g/ml) staining of Mouse Heart lysate (35 μ g protein in RIPA buffer). Detected by chemiluminescence.



EB09412 (5μg/ml) staining of paraffin embedded Human Heart. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB09412 Negative Control showing staining of paraffin embedded Human Heart, with no primary antibody.