



Datasheet for ABIN570994

anti-NK2 Homeobox 5 antibody (Internal Region)



[Go to Product page](#)

6 Images

Overview

Quantity:	100 µg
Target:	NK2 Homeobox 5 (NKX2-5)
Binding Specificity:	Internal Region
Reactivity:	Human, Mouse, Rat
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This NK2 Homeobox 5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Purpose:	CSX1 / NKX2-5
Immunogen:	Peptide with sequence C-PRAYSDPDPKADPR, from the internal region of the protein sequence according to NP_004378.1, NP_001159647.1, NP_001159648.1.
Sequence:	PRAYSDPDPKADPR
Isotype:	IgG
Specificity:	This antibody is expected to recognize all three reported isoforms (NP_004378.1, NP_001159647.1, NP_001159648.1).
Cross-Reactivity:	Cow, Dog, Human, Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Product Details

Grade: Verified

Target Details

Target: NK2 Homeobox 5 (NKX2-5)

Alternative Name: NKX2-5 ([NKX2-5 Products](#))

Background: 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

Gene ID: 1482, 18091, 114109

NCBI Accession: [NP_004378](#), [NP_001159647](#), [NP_001159648](#)

Pathways: [Regulation of Muscle Cell Differentiation](#), [Skeletal Muscle Fiber Development](#)

Application Details

Application Notes: Immunohistochemistry: Paraffin embedded Human Heart. Recommended concentration: 5-6 μ g/mL.
Western Blot: Approx. 38 kDa band observed in Human, Mouse and Rat Heart lysates (calculated MW of 34.9 kDa according to Human NP_004378.1, 34.2 kDa according to Mouse NP_032726.1 and 34.3 kDa according to Rat NP_446103.2). Recommended concentration: 1-3 μ g/m
Peptide ELISA: antibody detection limit dilution 1:32000.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.5 mg/mL

Buffer: Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

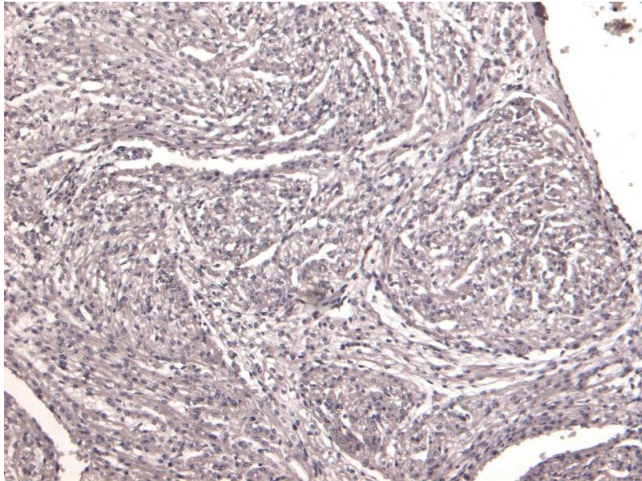
Handling Advice: Minimize freezing and thawing.

Handling

Storage: -20 °C

Storage Comment: Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Images



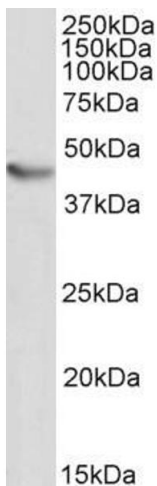
Immunohistochemistry

Image 1. (ABIN570994) Negative Control showing staining of paraffin embedded Human Heart, with no primary antibody. This data is from a previous batch, not on sale.



Western Blotting

Image 2. Antibody (0.3µg/ml) staining of Human Heart lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Western Blotting

Image 3. ABIN570994 (0.3µg/ml) staining of Mouse Heart lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN570994.