

Datasheet for ABIN1538648  
**anti-NK2 Homeobox 5 antibody (AA 82-111)**



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1 Image

## Overview

Quantity:	400 µL
Target:	NK2 Homeobox 5 (NKX2-5)
Binding Specificity:	AA 82-111
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NK2 Homeobox 5 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	This NKX2-5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 82-111 amino acids from the Central region of human NKX2-5.
Clone:	RB36777
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	NK2 Homeobox 5 (NKX2-5)
Alternative Name:	NKX2-5 ( <a href="#">NKX2-5 Products</a> )
Background:	This gene encodes a homeobox-containing transcription factor. This transcription factor

## Target Details

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functions in heart formation and development. Mutations in this gene cause atrial septal defect with atrioventricular conduction defect, and also tetralogy of Fallot, which are both heart malformation diseases. Mutations in this gene can also cause congenital hypothyroidism non-goitrous type 5, a non-autoimmune condition. Alternative splicing results in multiple transcript variants.

Molecular Weight: 34918

Gene ID: 1482

NCBI Accession: [NP\\_001159647](#), [NP\\_001159648](#), [NP\\_004378](#)

UniProt: [P52952](#)

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

## Application Details

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Application Notes: WB: 1:2000

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

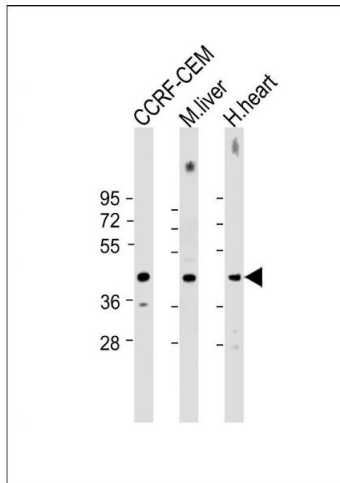
Preservative: Sodium azide

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

Storage: 4 °C, -20 °C

Storage Comment: NKX2-5 Antibody (Center) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, keep at -20 °C.

Expiry Date: 6 months



### Western Blotting

**Image 1.** All lanes : Anti-NKX2-5 Antibody (Center) at 1:2000 dilution Lane 1: CCRF-CEM whole cell lysate Lane 2: mouse liver lysate Lane 3: human heart lysate Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 35 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.