



# Rabbit Anti-Human Nkx2.5 monoclonal antibody, clone 5I6M0 (CABT-L1498)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

Target	NKX2-5
Immunogen	human Nkx2.5
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	5I6M0
Purification	Purified
Conjugate	Unconjugated
Applications	ICC
Format	Liquid
Concentration	0.5 mg/ml
Buffer	PBS
Preservative	0.09% Sodium Azide
Storage	-20°C

## BACKGROUND

## Introduction

NKX2-5 is a transcription factor protein which plays a crucial role in cardiac development and differentiation. It is a low molecular weight protein of 35-38 kDa depending on phosphorylation status. Expression is mainly restricted to the heart. But during embryogenesis NKX2-5 expression has also been detected in spleen-precursor cells. Over expression of NKX2-5 resulted in expression of neuronal markers in C2C12 murine myogenic cells. Functionally it is involved in differentiation processes in heart development and in homeostasis and survival of cardiac myocytes as well maintains the initial muscle differentiation paradigm.

## Keywords

NKX2-5;NK2 homeobox 5;CSX;CSX1;VSD3;CHNG5;HLHS2;NKX2E;NKX2.5;NKX4-1;homeobox protein Nkx-2.5;tinman paralog;homeobox protein CSX;cardiac-specific homeobox 1;homeobox protein NK-2 homolog E;NK2 transcription factor related, locus 5

# GENE INFORMATION

## Entrez Gene ID

[1482](#)

## UniProt ID

[P52952](#)