

## Rabbit Anti-Nkx2.6/AF647 Conjugated antibody

SL24101R-AF647

<b>Product Name</b>	Anti-Nkx2.6/AF647
<b>Chinese Name</b>	AF647 标记的转录因子同源蛋白 Nkx2.6 抗体
<b>Alias</b>	CSX2; Homeobox protein NK-2 homolog F; homeobox protein NK2 homolog F; Homeobox protein Nkx-2.6; Homeobox protein Nkx2.6; NK2 homeobox 6; NK2 transcription factor related, locus 6 (Drosophila); NKX2-6; NKX26_MOUSE; NKX2F; NKX4 2; Tinman paralog.
<b>Research Area</b>	Cardiovascular Cell biology Developmental biology transcriptional regulatory factor Epigenetics
<b>Immunogen Species</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>React Species</b>	(predicted:Mouse)
<b>Applications</b>	ICC/IF=1:50-200,IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight</b>	32kDa
<b>Form</b>	Lyophilized or Liquid
<b>Concentration</b>	1mg/ml
<b>immunogen</b>	KLH conjugated synthetic peptide derived from mouse Nkx2.6
<b>Lsotype</b>	IgG
<b>Purification</b>	affinity purified by Protein A
<b>Storage Buffer</b>	Preservative: 15mM Sodium Azide, Constituents: 1% BSA, 1M PBS, pH 7.4. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>Storage</b>	
<b>Product Detail</b>	<b>background:</b> This gene encodes a homeobox-containing protein that belongs to the NK-2 homeobox family. This protein is a vertebrate homolog of Drosophila

homeobox-containing protein called 'tinman', which has been shown to be essential for development of the heart-like dorsal vessel. In conjunction with related gene, NKX2-5, this gene may play a role in both pharyngeal and cardiac embryonic development. Mutations in this gene are associated with persistent truncus arteriosus.[provided by RefSeq, Aug 2011]

**Function:**

In conjunction with NKX2-5, may play a role in both pharyngeal and cardiac embryonic development.

**Subcellular Location:**

Nucleus

**DISEASE:**

A group of congenital heart defects involving the outflow tracts. Examples include truncus arteriosus communis, double-outlet right ventricle and transposition of great arteries. Truncus arteriosus communis is characterized by a single outflow tract instead of a separate aorta and pulmonary artery. In transposition of the great arteries, the aorta arises from the right ventricle and the pulmonary artery from the left ventricle. In double outlet of the right ventricle, both the pulmonary artery and aorta arise from the right ventricle.

**Similarity:**

Belongs to the NK-2 homeobox family. Contains 1 homeobox DNA-binding domain.

**Database links:**

[Entrez Gene: 137814](#) Human

[Entrez Gene: 18092](#) Mouse

[Omim: 611770](#) Human

[SwissProt: A6NCS4](#) Human

[SwissProt: P43688](#) Mouse

[Unigene: 532654](#) Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



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