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Nkx2.6 Rabbit pAb

Catalog # AP97971

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	A6NCS4
Other Accession	A6NCS4
Reactivity	Mouse
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	32121
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Nkx2.6
Epitope Specificity	1-100/301
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the NK-2 homeobox family. Contains 1 homeobox DNA-binding domain.
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.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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]

Additional Information

Gene ID	137814
Other Names	CSX2; CTHM; NKX2F; NKX4-2; Nkx-2.6; Nkx2.6; Tix; tinman; NKX26_HUMAN; NKX2-6; Homeobox protein NK-2 homolog F; NKX26_MOUSE; NK2 homeobox 6; NK2 transcription factor related, locus 6 (Drosophila); tinman (Drosophila) homolog
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	NKX2-6
Synonyms	NKX2F
Function	Acts as a transcriptional activator (PubMed: 15649947). In conjunction with NKX2-5, may play a role in both pharyngeal and cardiac embryonic development.
Cellular Location	Nucleus.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.