

NKX2-5 PolyAb Antibody

Catalog number: 13921-1-AP

Size: 20 µg/150 µl

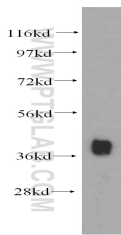
Source: Rabbit

Isotype: IgG

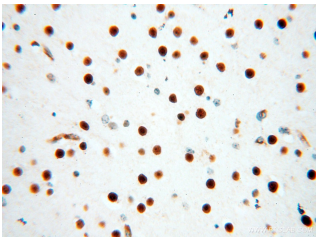
Synonyms:

NKX2-5; CHNG5; CSX; CSX1;

NKX2.5; NKX2E; NKX4-1



human heart tissue were subjected to SDS PAGE followed by western blot with 13921-1-AP(NKX2-5 Antibody) at dilution of 1:1500



Immunohistochemistry of paraffin-embedded human brain using 13921-1-AP(NKX2-5 Antibody) at Dilution 1:100 (under 40x lens)

Background

Homeobox-containing genes play critical roles in regulating tissue-specific gene expression essential for tissue differentiation, as well as determining the temporal and spatial patterns of development [PMID: 7665173]. NKX2-5 encoded by homeobox-containing genes that implicated in commitment to and/or differentiation of the myocardial lineage, and acts as a transcriptional activator of ANF in cooperation with GATA4. During embryonic development, NKX2-5 plays pivotal roles in specifying cardiac progenitors, cardiac morphogenesis, cardiomyocyte differentiation and conduction system development [PMID: 22824467].

Applications

Tested applications:	ELISA, WB, IHC
Species specificity:	Human; other species not tested.
Positive WB detected in:	Human heart tissue, human heart tissue
Calculated NKX2-5 MW:	324aa,35kd
Observed NKX2-5 MW:	37kd
Positive IHC detected in:	Human brain
Recommended dilution:	WB: 1:500-1:5000 IHC: 1:50-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation, FC = Flow cytometry

Immunogen information

Immunogen:	Ag4930
GenBank accession number:	BC025711
Gene ID (NCBI):	1482
Full name:	NK2 transcription factor related, locus 5 (Drosophila)

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.