

Product Datasheet

NKX2.5 Antibody - BSA Free

NBP1-31558

Unit Size: 100 ul

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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NBP1-31558

NKX2.5 Antibody - BSA Free

Product Information	
Unit Size	100 ul
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS (pH 7), 20% Glycerol
Target Molecular Weight	35 kDa

Product Description	
Host	Rabbit
Gene ID	1482
Gene Symbol	NKX2-5
Species	Human, Mouse, Rat
Marker	Cardiac Progenitor Marker
Immunogen	Recombinant protein encompassing a sequence within the center region of human NKX2.5. The exact sequence is proprietary.

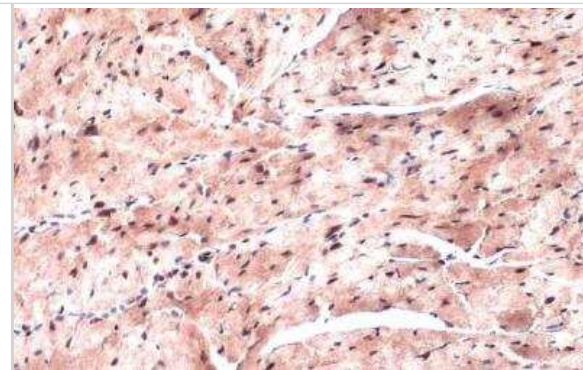
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:3000, Flow Cytometry Reported in scientific literature (PMID: 26612359), Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000

Images

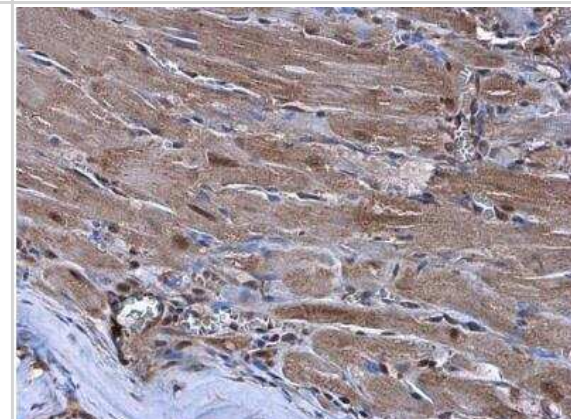
Immunocytochemistry/Immunofluorescence: NKX2.5 Antibody [NBP1-31558] - Paraformaldehyde-fixed mouse ESC D3, using antibody at 1:200 dilution.



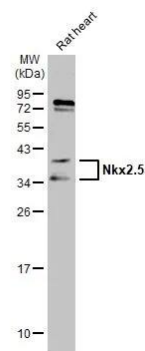
Immunohistochemistry-Paraffin: NKX2.5 Antibody [NBP1-31558] - Mouse heart. Nkx2.5 stained by Nkx2.5 antibody diluted at 1:2000. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



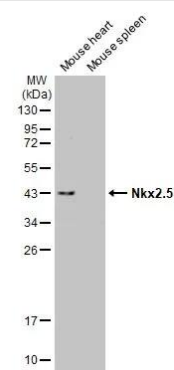
Immunohistochemistry-Paraffin: NKX2.5 Antibody [NBP1-31558] - Rat heart. Nkx2.5 stained by Nkx2.5 antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



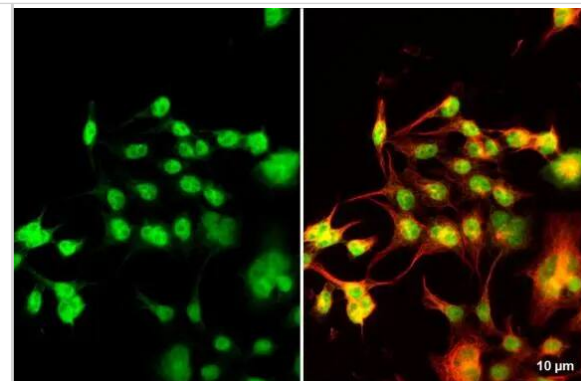
Western Blot: NKX2.5 Antibody [NBP1-31558] - Rat tissue extract (50 ug) was separated by 12% SDS-PAGE, and the membrane was blotted with NKX2.5 antibody (NBP1-31558) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



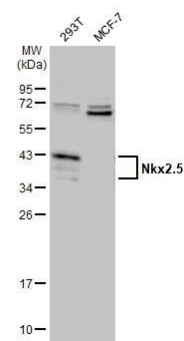
Western Blot: NKX2.5 Antibody [NBP1-31558] - Various tissue extracts (50 ug) were separated by 12% SDS-PAGE, and the membrane was blotted with NKX2.5 antibody (NBP1-31558) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Immunocytochemistry/ Immunofluorescence: NKX2.5 Antibody [NBP1-31558] - NKX2.5 antibody detects NKX2.5 protein at nucleus by immunofluorescent analysis. Sample: 293T cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: NKX2.5 stained by NKX2.5 antibody (NBP1-31558) diluted at 1:500. Red: alpha Tubulin, a cytoskeleton marker, stained by alpha Tubulin antibody [GT114] diluted at 1:1000.



Western Blot: NKX2.5 Antibody [NBP1-31558] - Various whole cell extracts (30 ug) were separated by 12% SDS-PAGE, and the membrane was blotted with NKX2.5 antibody (NBP1-31558) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Publications

Ja KM, Miao Q, Zhen Tee NG et al. iPSC-derived human cardiac progenitor cells improve ventricular remodelling via angiogenesis and interstitial networking of infarcted myocardium. *J. Cell. Mol. Med.* 2015-11-27 [PMID: 26612359] (FLOW, Human)

Ramachandra CJ, Shim W. Evaluation of sarcomeric organization in human pluripotent stem cell-derived cardiomyocytes *Methods Mol. Biol.* 2015-04-03 [PMID: 25836583] (ICC/IF, Human)



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Products Related to NBP1-31558

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
314-BP-010	BMP-4 [Unconjugated]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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