

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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Publications: 2

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NBP1-31558

NKX2.5 Antibody - BSA Free

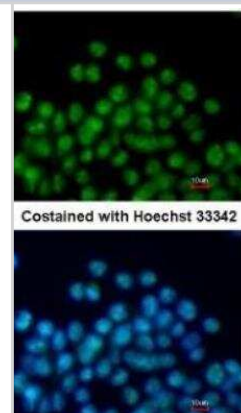
Product Information	
Unit Size	100 ul
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity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

Product Description	
Description	Novus Biologicals Rabbit NKX2.5 Antibody - BSA Free (NBP1-31558) is a polyclonal antibody validated for use in IHC, WB, Flow and ICC/IF. Anti-NKX2.5 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
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.

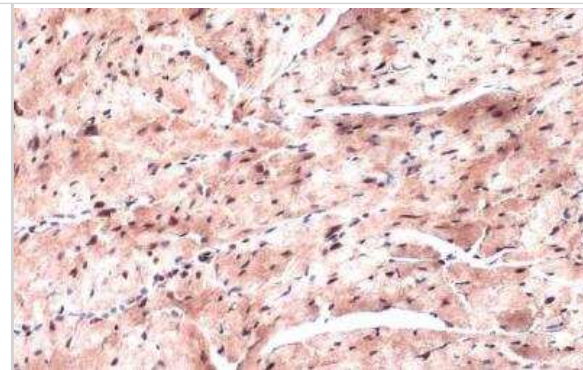
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500-1:3000, Flow Cytometry Reported in scientific literature (PMID: 26612359), Immunohistochemistry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

Images

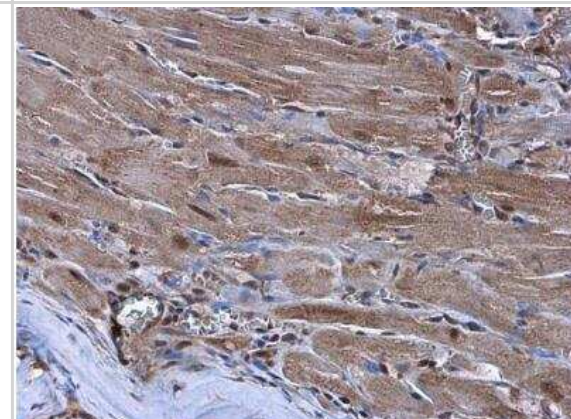
Immunocytochemistry/Immunofluorescence: NKX2.5 Antibody [NBP1-31558] - Paraformaldehyde-fixed mouse ESC D3, using antibody at 1:200 dilution.



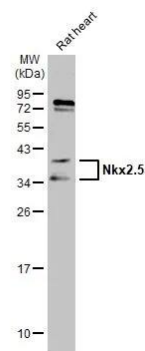
Immunohistochemistry-Paraffin: NKX2.5 Antibody [NBP1-31558] - Mouse heart. Nkx2.5 stained by Nkx2.5 antibody diluted at 1:2000. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



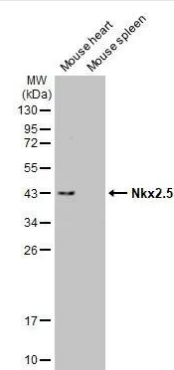
Immunohistochemistry-Paraffin: NKX2.5 Antibody [NBP1-31558] - Rat heart. Nkx2.5 stained by Nkx2.5 antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



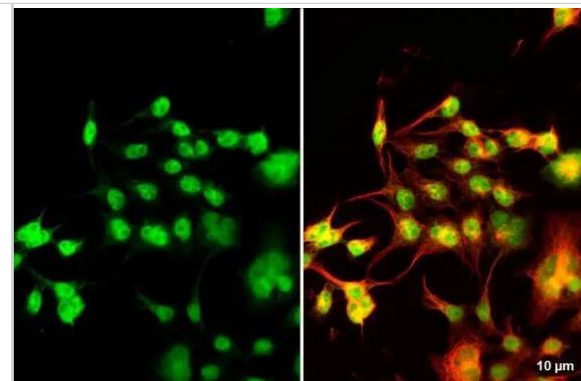
Western Blot: NKX2.5 Antibody [NBP1-31558] - Rat tissue extract (50 ug) was separated by 12% SDS-PAGE, and the membrane was blotted with NKX2.5 antibody (NBP1-31558) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



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.

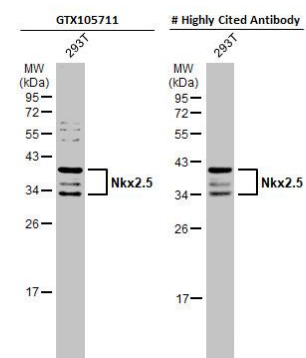


Immunocytochemistry/ Immunofluorescence: NKX2.5 Antibody [NBP1-31558] - NKX2.5 antibody detects NKX2.5 protein at nucleus by immunofluorescent analysis. Sample: 293T cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: NKX2.5 stained by NKX2.5 antibody (NBP1-31558) diluted at 1:500. Red: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

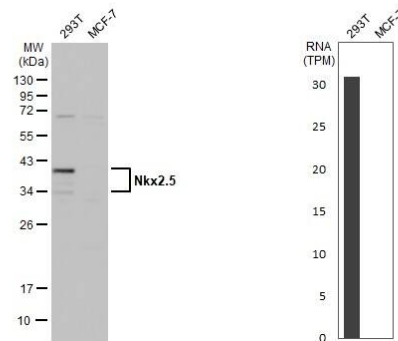


Whole cell extract (30 ug) was separated by 12% SDS-PAGE, and the membranes were blotted with NKX2.5 antibody (NBP1-31558) diluted at 1:1000 and competitor's antibody diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody, and the signal was developed with Trident ECL plus-Enhanced.

*The competitor is not affiliated with and does not endorse this product.



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. Corresponding RNA expression data for the same cell lines are based on Human Protein Atlas program.



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

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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