

Product Datasheet

TBX5 Antibody - BSA Free

NBP1-83237

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-83237

TBX5 Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

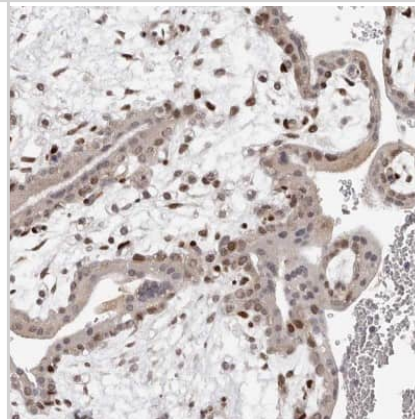
Product Description	
Host	Rabbit
Gene ID	6910
Gene Symbol	TBX5
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 26469858).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: MSRMQSKEYPVVPRSTVRQKVASNHSPFSSESRALSTSSNLGSQYQCENGVS GPSQDLLPPPNPYPLPQEHSQIYHCTKRKEEEECSTTDHPYKKPYMETSPSEED SFYRSSYPQQQG

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot Reported in scientific literature (PMID:26469858), Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence Reported in scientific literature (PMID: 26469858), Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

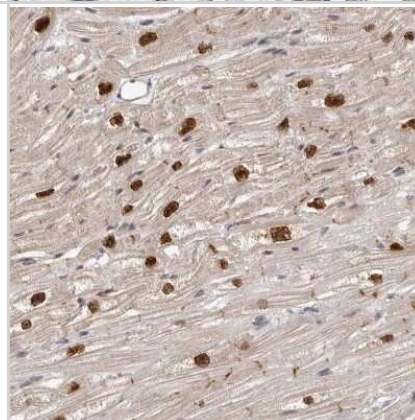


Images

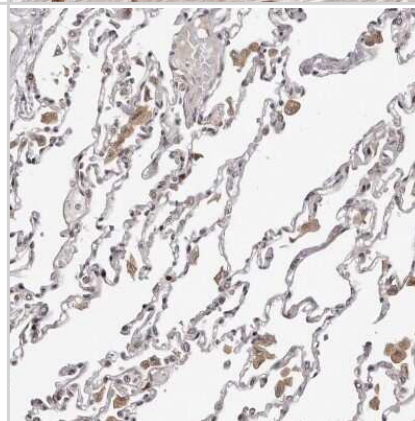
Immunohistochemistry-Paraffin: TBX5 Antibody [NBP1-83237] - Staining of human placenta shows moderate nuclear positivity in Hofbauer cells, as well as weaker positivity in trophoblastic cells.



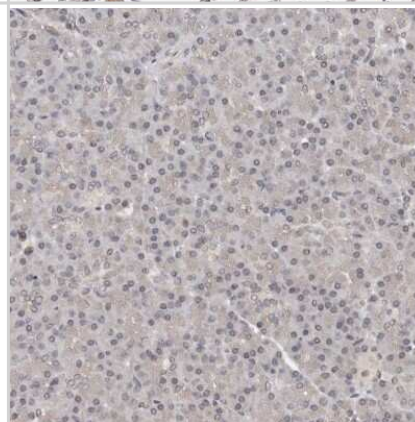
Immunohistochemistry-Paraffin: TBX5 Antibody [NBP1-83237] - Staining of human heart muscle shows strong nuclear positivity in cardiomyocytes.



Immunohistochemistry-Paraffin: TBX5 Antibody [NBP1-83237] - Staining of human lung shows moderate nuclear positivity in a subset of pneumocytes.



Immunohistochemistry-Paraffin: TBX5 Antibody [NBP1-83237] - Staining of human pancreas shows no positivity in exocrine glandular cells as expected.



Publications

Sun W, Ramirez S, Spiller K et al. Nf2 fine-tunes proliferation and tissue alignment during closure of the optic fissure in the embryonic mouse eye Hum Mol Genet 2020-10-19 [PMID: 33075808]

Yamasaki S, Kuwahara A, Kishino A et al. Addition of Chk1 inhibitor and BMP4 cooperatively promotes retinal tissue formation in self-organizing human pluripotent stem cell differentiation culture Regenerative Therapy 2022-03-01 [PMID: 35059477] (IF/IHC, Human)

Kokkinopoulos I, Ishida H, Saba R et al. Single-Cell Expression Profiling Reveals a Dynamic State of Cardiac Precursor Cells in the Early Mouse Embryo. PLoS One 2015-01-01 [PMID: 26469858] (ICC/IF, WB, Mouse)

Lian X, Zhang J, Azarin SM et al. Directed cardiomyocyte differentiation from human pluripotent stem cells by modulating Wnt/ β -catenin signaling under fully defined conditions. Nat Protoc 2013-01-01 [PMID: 23257984]





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Products Related to NBP1-83237

NBP1-83237PEP	TBX5 Recombinant Protein Antigen
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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