

Product Datasheet

PBX1 Antibody - BSA Free NBP1-86151

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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NBP1-86151

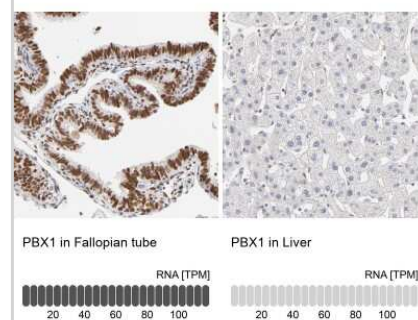
PBX1 Antibody - BSA Free

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	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Product Description	
Description	Novus Biologicals Rabbit PBX1 Antibody - BSA Free (NBP1-86151) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-PBX1 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	5087
Gene Symbol	PBX1
Species	Human
Reactivity Notes	Reactivity reported in scientific literature (PMID: 23444221)
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: YSHLSNPYPSEEAKEELAKKCGITVSQVSNWFGNKRIRYKKNIGKFQEEANIYA AKTAVTATNVSAHGSQANSPSTPNSAGSSSSFNMSNSGDLFMSVQSLNGDSY QGAQVGANVQSQVDTLRHVISQTGGYSDGLAASQMYS
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Chromatin Immunoprecipitation-exo-Seq
Recommended Dilutions	Western Blot 0.04 - 0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50-1:200, Chromatin Immunoprecipitation-exo-Seq 1-10ug per reaction
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: Use PFA/Triton X-100.

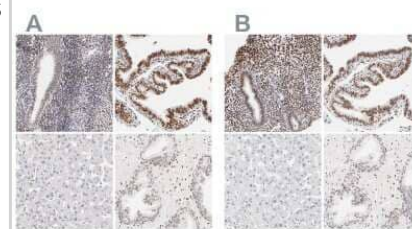


Images

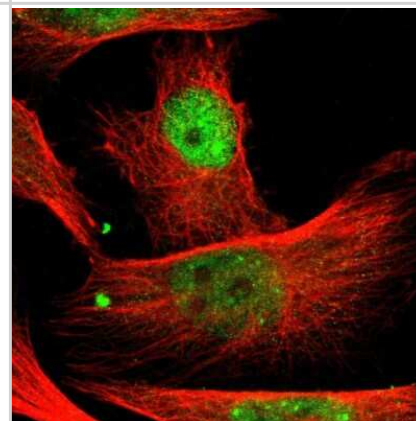
Immunohistochemistry-Paraffin: PBX1 Antibody [NBP1-86151] - Analysis in human fallopian tube and liver tissues using NBP1-86151 antibody. Corresponding PBX1 RNA-seq data are presented for the same tissues.



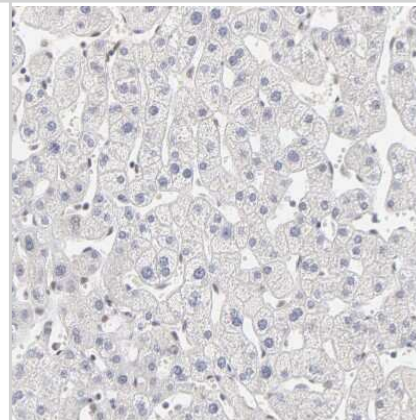
Immunohistochemistry-Paraffin: PBX1 Antibody [NBP1-86151] - Staining of human endometrium, fallopian tube, liver and prostate using Anti-PBX1 antibody NBP1-86151 (A) shows similar protein distribution across tissues to independent antibody NBP1-85803 (B).



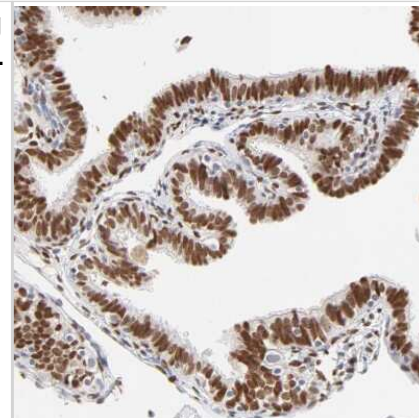
Immunocytochemistry/Immunofluorescence: PBX1 Antibody [NBP1-86151] - Staining of human cell line U-251 MG shows localization to nucleoplasm.



Immunohistochemistry-Paraffin: PBX1 Antibody [NBP1-86151] - Staining of human liver shows no positivity in hepatocytes as expected.



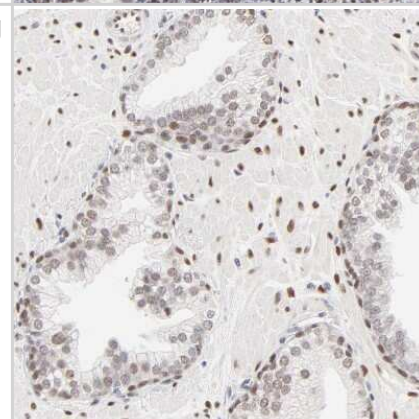
Immunohistochemistry-Paraffin: PBX1 Antibody [NBP1-86151] - Staining of human fallopian tube shows strong nuclear positivity in glandular cells.



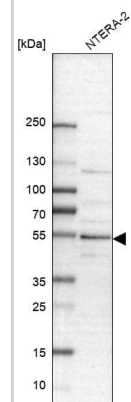
Immunohistochemistry-Paraffin: PBX1 Antibody [NBP1-86151] - Staining of human endometrium shows moderate nuclear positivity in stromal cells.



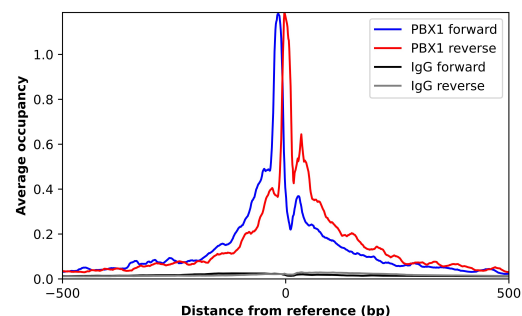
Immunohistochemistry-Paraffin: PBX1 Antibody [NBP1-86151] - Staining of human prostate shows weak to moderate nuclear positivity in glandular cells.



Analysis in human cell line NTERA-2.



ChIP-Exo-Seq composite graph for Anti-PBX1 (NBP1-86151) tested in MCF7 cells. Strand-specific reads (blue: forward, red: reverse) and IgG controls (black: forward, grey: reverse) are plotted against the distance from a composite set of reference binding sites. The antibody exhibits robust target enrichment compared to a non-specific IgG control and precisely reveals its structural organization around the binding site. Data generated by Prof. B. F. Pugh's Lab at Cornell University.



Publications

Petrini I, Wang Y, Zucali PA et al. Copy number aberrations of genes regulating normal thymus development in thymic epithelial tumors. Clin Cancer Res 2013-04-15 [PMID: 23444221]



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Products Related to NBP1-86151

NBP1-86151PEP	PBX1 Recombinant Protein Antigen
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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