

# Product Datasheet

## PITX1 Antibody - BSA Free

### NBP1-88644

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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**NBP1-88644**

PITX1 Antibody - BSA Free

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

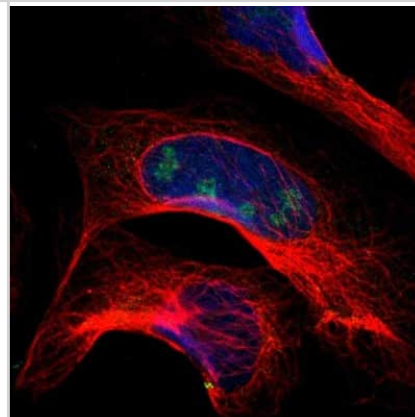
Product Description	
<b>Host</b>	Rabbit
<b>Gene ID</b>	5307
<b>Gene Symbol</b>	PITX1
<b>Species</b>	Human
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: SFTFFNSMSPLSSQSMFSAPSSISSMTMPSSMGGAVPGMPNSGLNNINNLTG SSLNSAMSPGACPYGTPASPVSVYRDTCNSSLASLRLKSKQHSS

Product Application Details	
<b>Applications</b>	Immunocytochemistry/ Immunofluorescence, Chromatin Immunoprecipitation-exo-Seq
<b>Recommended Dilutions</b>	Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Chromatin Immunoprecipitation-exo-Seq 1-10ug per reaction
<b>Application Notes</b>	ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

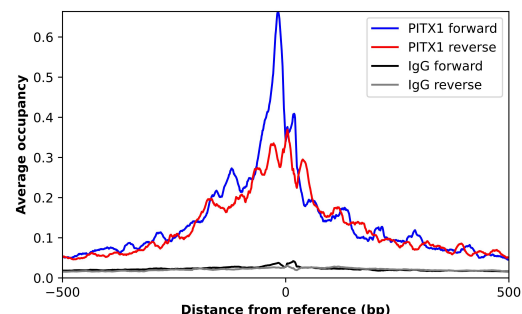


## Images

Immunocytochemistry/Immunofluorescence: PITX1 Antibody [NBP1-88644] - Staining of human cell line U-2 OS shows localization to nucleoli. Antibody staining is shown in green.



ChIP-Exo-Seq composite graph for Anti-PITX1 (NBP1-88644) tested in K562 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

Weber M, Nguyen MB, Li MY et al. Merkel cell polyomavirus T-antigen-mediated reprogramming in adult Merkel cell progenitors *The Journal of investigative dermatology* 2023-05-29 [PMID: 37257637] (IHC, WB)

Liu SM, Ifebi B, Johnson Iii F et al. The gut signals to AGRP expressing cells of the pituitary to control glucose homeostasis *The Journal of clinical investigation* 2023-02-14 [PMID: 36787185] (Immunohistochemistry, Mouse)

Sastre-Perona A, Hoang-Phou S, Leitner MC et al. De Novo PITX1 Expression Controls Bi-Stable Transcriptional Circuits to Govern Self-Renewal and Differentiation in Squamous Cell Carcinoma Cell Stem Cell 2019-01-31 [PMID: 30713093] (ICC/IF, Mouse)

Boumahdi S, Driessens G, Lapouge G et al. SOX2 controls tumour initiation and cancer stem-cell functions in squamous-cell carcinoma. *Nature*. 2014-06-08 [PMID: 24909994] (IHC-Fr, Mouse)



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### **Products Related to NBP1-88644**

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NBP1-88644PEP	PITX1 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

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### **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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