

# Product Datasheet

## DLX5 Antibody - BSA Free NBP1-85793

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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### Publications: 3

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**NBP1-85793**

DLX5 Antibody - BSA Free

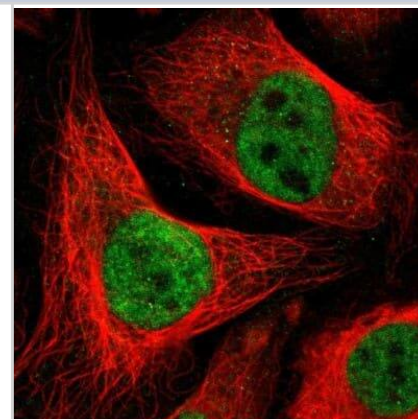
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Host	Rabbit
Gene ID	1749
Gene Symbol	DLX5
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: RRVPSIRSGDFQAPFQTSAAAMHHPSESPTLPESATDSDYYSPTGGAPHGY CSPTSASYGKALNPYQYQYHGVNGSAGSYPAKAYADYSYASSYHQYGGAYN RVPSATNQPEKEVTEPEVRMVNGKPKKVRKP

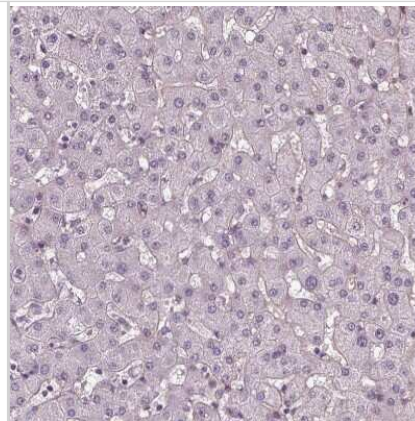
Product Application Details	
Applications	Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation/Permeabilization: PFA/Triton X-100.

**Images**

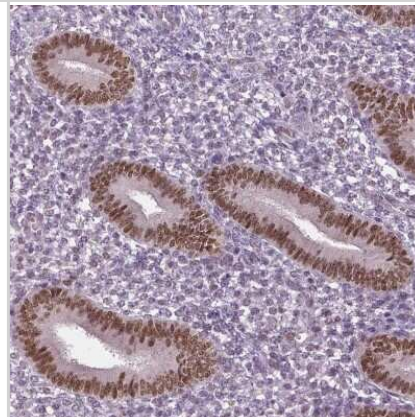
Immunocytochemistry/Immunofluorescence: DLX5 Antibody [NBP1-85793] - Staining of human cell line U-2 OS shows localization to nucleus. Antibody staining is shown in green.



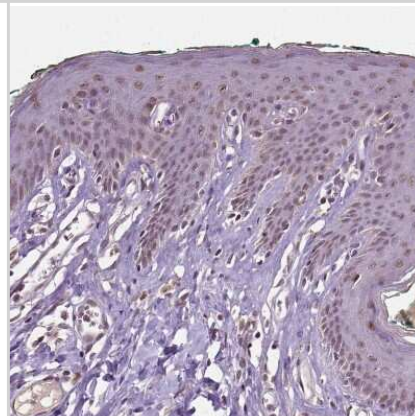
Immunohistochemistry-Paraffin: DLX5 Antibody [NBP1-85793] - Staining of human liver shows no positivity in hepatocytes as expected.



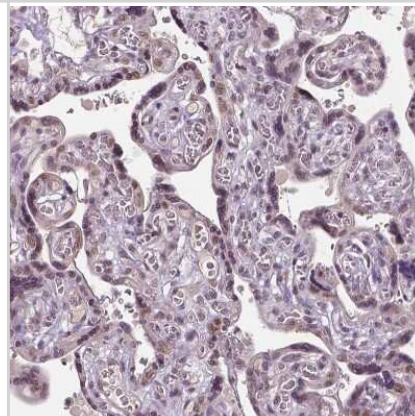
Immunohistochemistry-Paraffin: DLX5 Antibody [NBP1-85793] - Staining of human endometrium shows strong nuclear positivity in glandular cells.



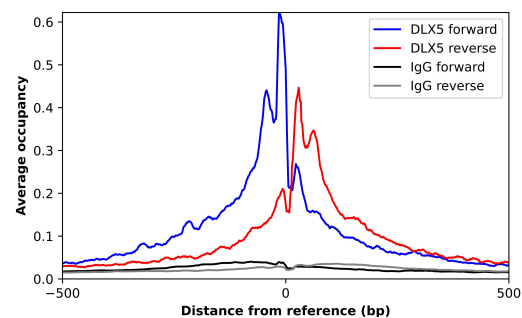
Immunohistochemistry-Paraffin: DLX5 Antibody [NBP1-85793] - Staining of human skin shows moderate nuclear positivity in squamous epithelial cells.



Immunohistochemistry-Paraffin: DLX5 Antibody [NBP1-85793] - Staining of human placenta shows weak nuclear positivity in trophoblastic cells.



ChIP-Exo-Seq composite graph for Anti-DLX5 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

Mijeong Kim, Yu Jin Jang, Muyeong Lee, Qingqing Guo, Albert J. Son, Nikita A. Kakkad, Abigail B. Roland, Bum-Kyu Lee, Jonghwan Kim The transcriptional regulatory network modulating human trophoblast stem cells to extravillous trophoblast differentiation *Nature Communications* 2024-02-12 [PMID: 38346993]

Moore ST, Nakamura T, Nie J et al. Generating high-fidelity cochlear organoids from human pluripotent stem cells *Cell stem cell* 2023-07-06 [PMID: 37419105] (IHC-P, Human)

Stadler C, Rexhepaj E, Singan VR et al. Immunofluorescence and fluorescent-protein tagging show high correlation for protein localization in mammalian cells. *Nat Methods* 2013-04-01 [PMID: 23435261]



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### **Products Related to NBP1-85793**

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NBP1-85793PEP	DLX5 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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