Product Datasheet

RFX5 Antibody - BSA Free
NBP1-86041

Unit Size: 0.1 ml

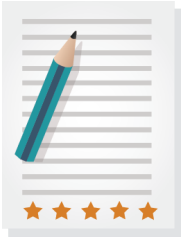
Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

www.novusbio.com technical@novusbio.com

Publications: 1

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP1-86041

Updated 12/2/2025 v.20.1



NBP1-86041

RFX5 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

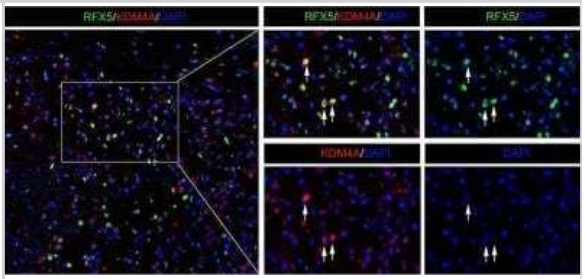
Description	Novus Biologicals Rabbit RFX5 Antibody - BSA Free (NBP1-86041) is a polyclonal antibody validated for use in IHC and WB. Anti-RFX5 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	5993
Gene Symbol	RFX5
Species	Human
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (88%), Rat (89%)
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: ARRLGGRGQSKYCYSGIRRKTLVSMPPLPGLDLKGSESPEMGPEVTPAPRDE LVEAACALTCDWAERILKRSFSSIVEVARFLLQQHLISARSAHAHVLKAMGLAEE DEHAPRERSSKPKNGLENPEGGAHKKPERLAQPPKDLEART

Product Application Details

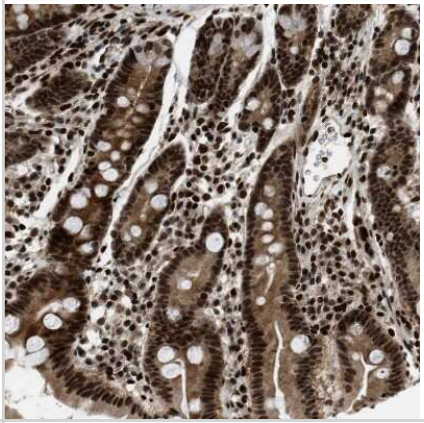
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

Images

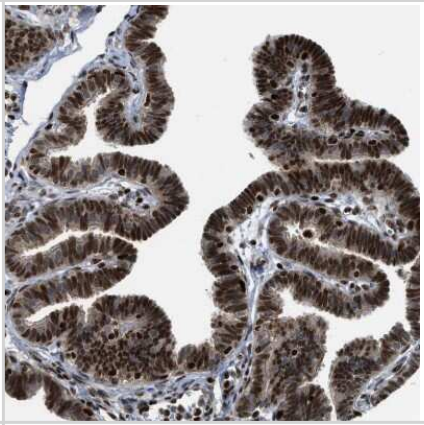
RFX5-Antibody-Immunohistochemistry-NBP1-86041-img0011.jpg



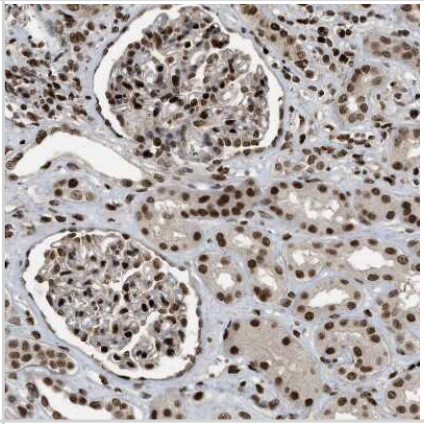
Immunohistochemistry-Paraffin: RFX5 Antibody [NBP1-86041] - Staining of human Duodenum shows strong nuclear positivity in glandular cells.



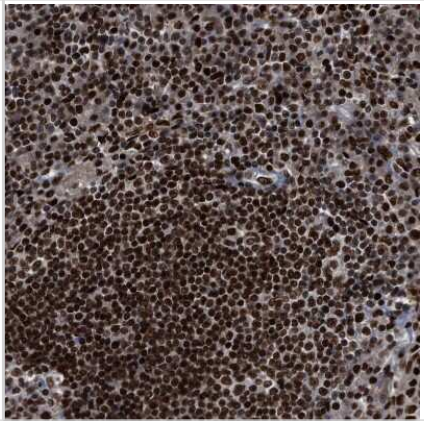
Immunohistochemistry-Paraffin: RFX5 Antibody [NBP1-86041] - Staining of human Fallopian tube shows strong nuclear positivity in glandular cells.

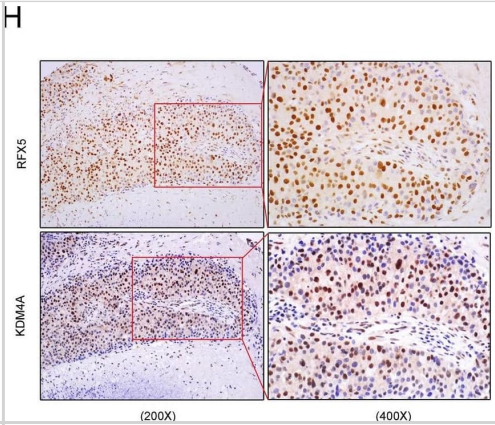
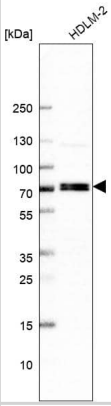
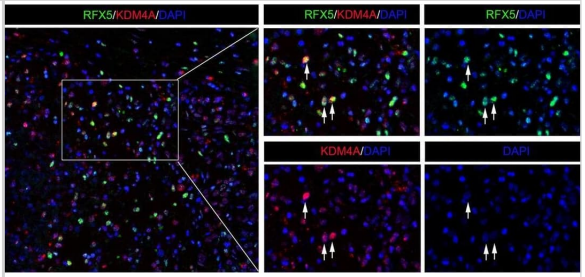


Immunohistochemistry-Paraffin: RFX5 Antibody [NBP1-86041] - Staining of human Kidney shows strong nuclear positivity in cells in tubules and in glomeruli.



Immunohistochemistry-Paraffin: RFX5 Antibody [NBP1-86041] - Staining of human Lymph node shows strong nuclear positivity in non-germinal center and germinal center cells.



nbp1-86041_rabbit-polyclonal-rfx5-antibody-20920231721151.jpg	
Analysis in human cell line HDLM-2.	
RFX5 is a positive regulator of KDM4A expression in HCC. (A) KDM4A expression levels were assessed in FLAG-RFX5-transfected HepG2 cells via QRT-PCR analysis. (B) KDM4A expression levels were assessed in shRNA targeting RFX5-transfected HepG2 cells via QRT-PCR analysis. (C) KDM4A protein expression levels were determined in MHCC-97H and HepG2 cells transduced with lentiviral FLAG-RFX5 or sgRNA targeting RFX5 via Western blot analysis. (D) The correlation between RFX5 and KDM4A mRNA expressions in HCC patients derived from TCGA LIHC dataset. (E) The correlation of KDM4A protein expression status determined by IHC analysis with overall survival time (OST). (F) The correlation of KDM4A mRNA expression level determined by RNAseq in TCGA LIHC dataset with OST. (G) Immunohistochemistry analysis was used to quantify the amount of KDM4A protein in HCC tumor tissues and adjacent non-tumor tissues was determined (N−, less than 5% of tumor cells stained positive; N+, 5–30% of tumor cells stained positive; N++, 31–50% of tumor cells stained positive; N+++, > 51% of tumor cells stained positive.). (H) IHC staining of RFX5 and KDM4A in the same cancer nest. (I) The co-expression of RFX5 and KDM4A in HCC tissues was determined by the immunofluorescence staining. The white arrows pointed HCC cells which co-expressed RFX5 and KDM4A. Image collected and cropped by CiteAb from the following open publication (https://pubmed.ncbi.nlm.nih.gov/32883983), licensed under a CC-BY license. Not internally tested by Novus Biologicals.	

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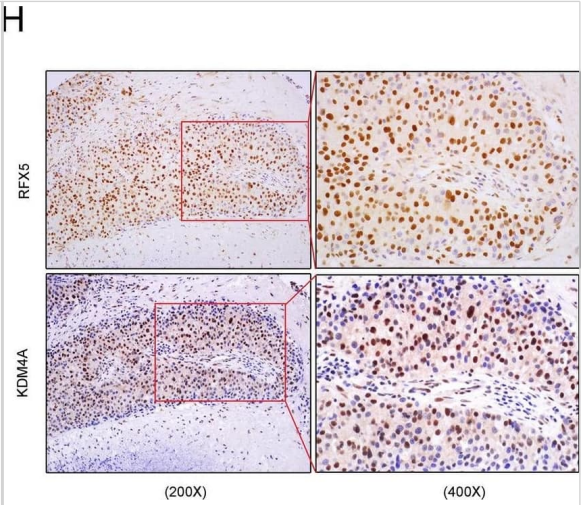
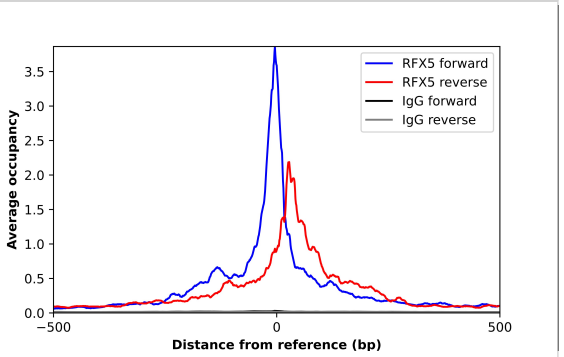


ChIP-Exo-Seq composite graph for Anti-RFX5 tested in K562 cells. Strand-specific reads (blue: forward, red: reverse) and IgG controls (black: forward, grey: reverse) are plotted against the distance from a composite set of reference binding sites. The antibody exhibits robust target enrichment compared 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

Chen DB, Xie XW, Zhao YJ et al. RFX5 promotes the progression of hepatocellular carcinoma through transcriptional activation of KDM4A Sci Rep 2020-09-03 [PMID: 32883983] (IF/IHC, Human)

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Products Related to NBP1-86041

NBP1-86041PEP	RFX5 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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