

Product Datasheet

TCF-2/HNF-1 beta Antibody - BSA Free NBP1-89680

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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NBP1-89680

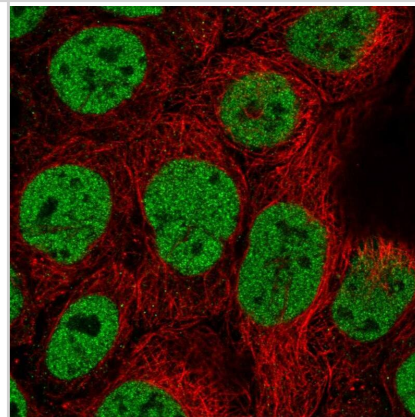
TCF-2/HNF-1 beta Antibody - BSA Free

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	
Description	Novus Biologicals Rabbit TCF-2/HNF-1 beta Antibody - BSA Free (NBP1-89680) is a polyclonal antibody validated for use in IHC, WB, ICC/IF, Simple Western and ChIP. Anti-TCF-2/HNF-1 beta Antibody: Cited in 6 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	6928
Gene Symbol	HNF1B
Species	Human, Mouse
Reactivity Notes	Use in Mouse reported in scientific literature (PMID:32008054).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: KEVLVQALEELLPSNFGVKLETLPSPGSGAEPDTKPVFHTLTNGHAKGRLSG DEGSEDGDDYDTPPILKELQALNTEEAEEQRAEVDRLSEDPWRAAKMIKGY MQQH
Product Application Details	
Applications	Western Blot, Simple Western, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Simple Western 1:30, Immunohistochemistry 1:1000 - 1:2500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:1000 - 1:2500, Chromatin Immunoprecipitation (ChIP) Reported in scientific literature (PMID:32008054)
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100. In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. See Simple Western Antibody Database for Simple Western validation: Tested in A549, separated by Size, antibody dilution of 1:30, apparent MW was 66 kDa. Separated by Size-Wes, Sally Sue/Peggy Sue.

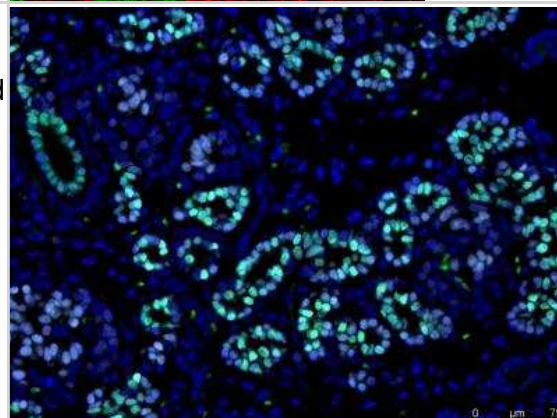


Images

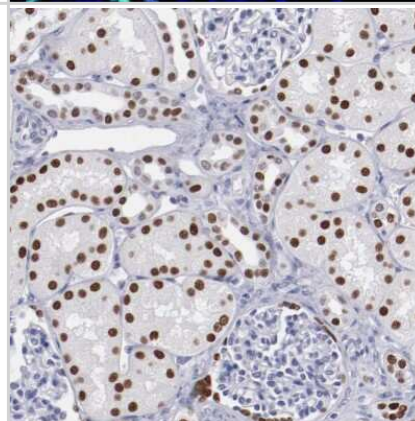
Staining of human cell line CACO-2 shows localization to nucleoplasm.



Immunohistochemistry-Paraffin: TCF-2/HNF-1 beta Antibody [NBP1-89680] - Nuclear expression of HNF1B (green) in a subset of PDX1 expressing cells (blue) in human pancreas. Image submitted by a verified customer review.



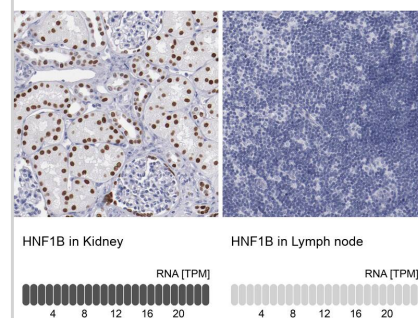
Immunohistochemistry-Paraffin: TCF-2/HNF-1 beta Antibody [NBP1-89680] - Staining of human kidney shows moderate to strong nuclear positivity in renal tubules.



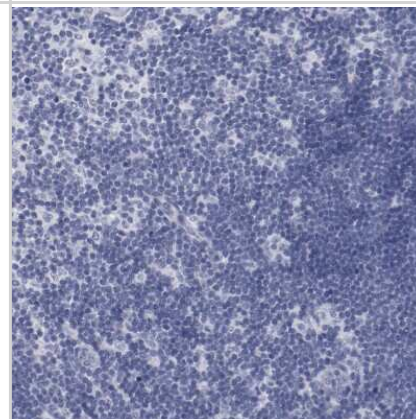
Immunohistochemistry-Paraffin: TCF-2/HNF-1 beta Antibody [NBP1-89680] - Staining of human rectum shows strong nuclear positivity in glandular cells.



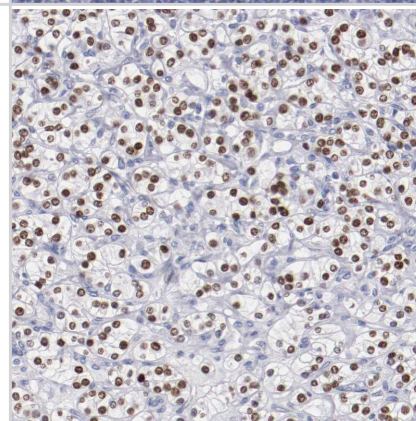
Analysis in human kidney and lymph node tissues using NBP1-89680 antibody. Corresponding HNF1B RNA-seq data are presented for the same tissues.



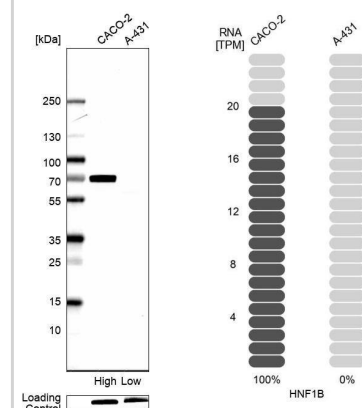
Immunohistochemistry-Paraffin: TCF-2/HNF-1 beta Antibody [NBP1-89680] - Staining of human lymph node shows no positivity in lymphoid cells as expected.



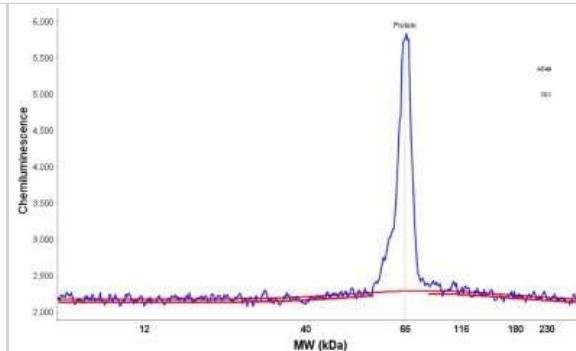
Staining of human rectum shows strong nuclear positivity in glandular cells.



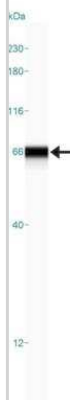
Analysis in human kidney tissue.



Simple Western: TCF-2/HNF-1 beta Antibody [NBP1-89680] - Electropherogram image(s) of corresponding Simple Western lane view. TCF-2/HNF-1 beta antibody was used at 1:30 dilution on A549 lysate(s).



Simple Western: TCF-2/HNF-1 beta Antibody [NBP1-89680] - Simple Western lane view shows a specific band for HNF1B in 0.2 mg/ml of A549 lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Publications

Holokai L, Chakrabarti J, Lundy J et al. Murine- and Human-Derived Autologous Organoid/Immune Cell Co-Cultures as Pre-Clinical Models of Pancreatic Ductal Adenocarcinoma Cancers 2020-12-17 [PMID: 33348809] (ICC/IF, Human)

Zhang FF, Liu YH, Wang DW et al. Obesity-induced reduced expression of the lncRNA ROIT impairs insulin transcription by downregulation of Nkx6.1 methylation Diabetologia 2020-02-01 [PMID: 32008054] (Chemotaxis, Mouse)

Raven AP. Impairing hepatocyte regeneration to determine the regenerative capacity of the biliary epithelium Thesis 2018-01-01 (IF/IHC)

Goyeneche AA, Koch M, Bell MC, Telleria CM. Long-term primary culture of a clear cell ovarian carcinoma reveals an epithelial-mesenchymal cooperative interaction. Cancer Cell Int 2015-01-01 [PMID: 26405433] (IF/IHC, Human)

Davidson B. Hepatocyte nuclear factor-1-beta is not a specific marker of clear cell carcinoma in serous effusions. Cancer Cytopathol 2014-02-01 [PMID: 24115587] (IF/IHC)

Donthamsetty S, Bhawe VS, Mars WM et al. Role of PINCH and Its Partner Tumor Suppressor Rsu-1 in Regulating Liver Size and Tumorigenesis. PLoS One 2013-01-01 [PMID: 24058607]

Szponar A, Yusenkov MV, Kuiper R et al. Genomic profiling of papillary renal cell tumours identifies small regions of DNA alterations: a possible role of HNF1B in tumour development. Histopathology 2011-05-01 [PMID: 21438902]



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Products Related to NBP1-89680

NBP1-89680PEP	TCF-2/HNF-1 beta 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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