

# Product Datasheet

## TCF-2/HNF-1 beta Antibody (CL0374) - Azide and BSA Free NBP3-43951

Unit Size: 100 ug

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

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**NBP3-43951**

TCF-2/HNF-1 beta Antibody (CL0374) - Azide and BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	100 ug
<b>Concentration</b>	LYOPH mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	CL0374
<b>Preservative</b>	No Preservative
<b>Reconstitution Instructions</b>	Centrifuge the vial of lyophilized antibody at 12,000 x g for 20 seconds. Reconstitute by adding sterile, distilled water to achieve a final antibody concentration of 1mg/ml.
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein A purified
<b>Buffer</b>	Lyophilized from a 0.2 um filtered solution in PBS with Trehalose

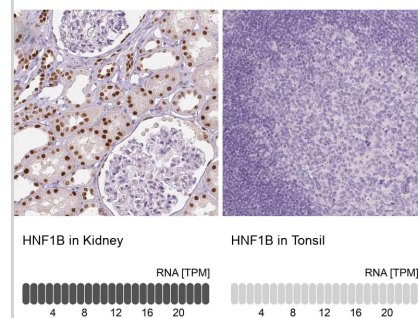
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse TCF-2/HNF-1 beta Antibody (CL0374) - Azide and BSA Free (NBP2-30678) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	6928
<b>Gene Symbol</b>	HNF1B
<b>Species</b>	Human
<b>Immunogen</b>	This antibody was generated using a recombinant protein sequence of P35680, with the exact immunogen sequence remaining proprietary.

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence
<b>Recommended Dilutions</b>	Western Blot 1 ug/ml, Immunocytochemistry/ Immunofluorescence 2-10 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. Immunocytochemistry/Immunofluorescence/IF, Fixation Permeabilization: Use PFA/Triton X-100.

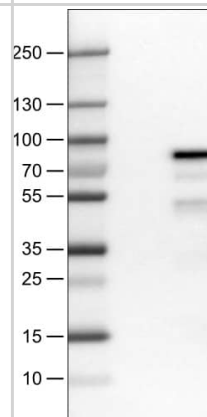


## Images

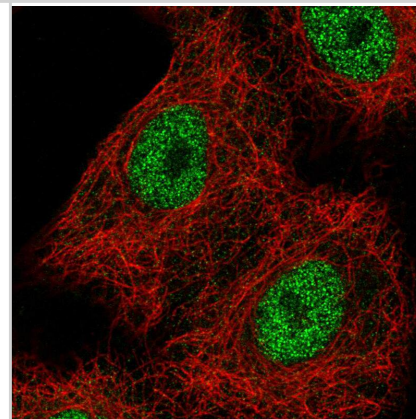
Analysis in human kidney and tonsil tissues using NBP3-43951 antibody. Corresponding TCF-2/HNF-1 beta RNA-seq data are presented for the same tissues.



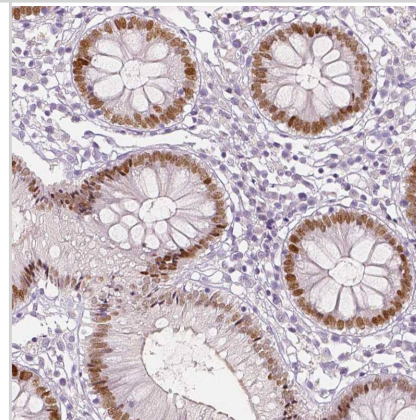
Lane 1: Marker [kDa]  
 Lane 2: Negative control (vector only transfected HEK293T lysate)  
 Lane 3: TCF-2/HNF-1 beta Over-expression Lysate (Co-expressed with a C-terminal myc-DDK tag (~3.1 kDa) in mammalian HEK293T cells)



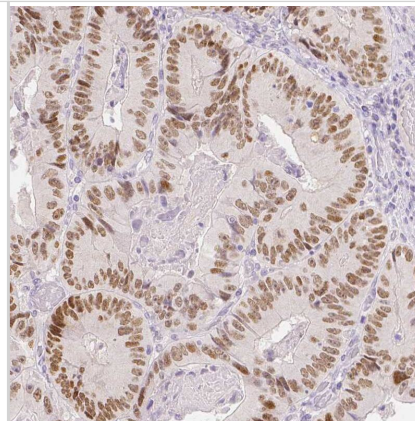
Staining in A549 cell line with Anti-TCF-2/HNF-1 beta monoclonal antibody) staining in green. Microtubule probes are visualized in red (where available).



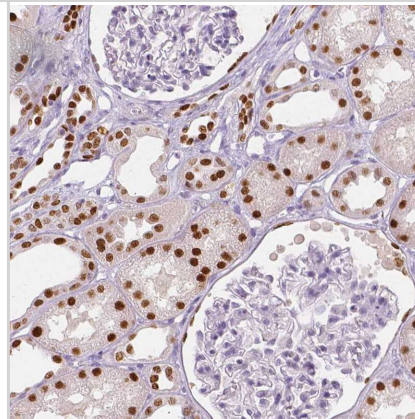
Staining of human colon shows moderate to strong nuclear positivity in glandular cells.



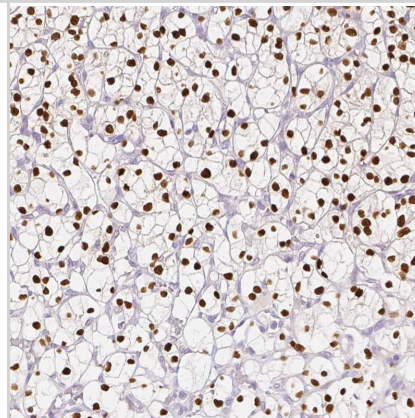
Staining of human colorectal cancer shows moderate nuclear positivity in tumor cells.



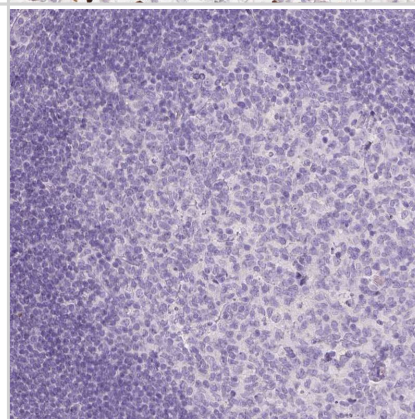
Staining of human kidney shows strong nuclear positivity in cells in tubules.



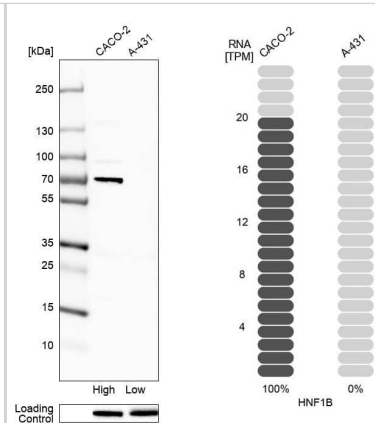
Staining of human renal cancer shows strong nuclear positivity in tumor cells.



Staining of human tonsil shows no positivity in lymphoid cells as expected.



Analysis in human cell lines Caco-2 and A-431 using Anti-TCF-2/HNF-1 beta antibody. Corresponding TCF-2/HNF-1 beta RNA-seq data are presented for the same cell lines. Loading control: Anti-PARP1.





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### **Products Related to NBP3-43951**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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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