

# Product Datasheet

## TCF-2/HNF-1 beta Antibody (CL0374) - BSA Free NBP2-30678

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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Updated 2/27/2025 v.20.1

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**NBP2-30678**

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

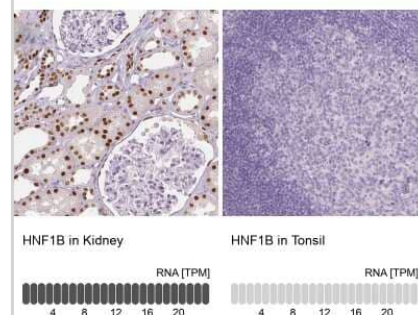
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	CL0374
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Host	Mouse
Gene ID	6928
Gene Symbol	HNF1B
Species	Human
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions
Immunogen	This antibody was developed using a recombinant protein derived from P35680, with the exact immunogen sequence remaining proprietary.

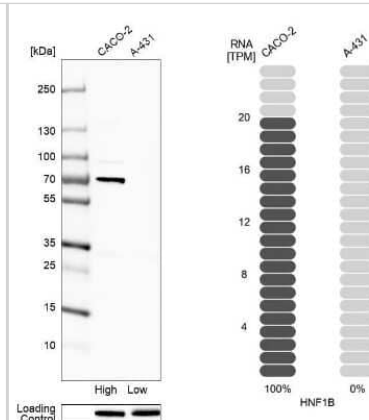
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 2-10 ug/ml, Immunohistochemistry-Paraffin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

**Images**

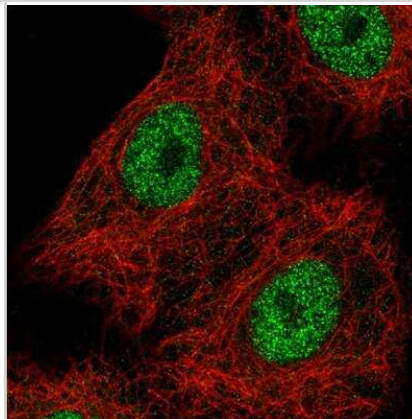
Immunohistochemistry-Paraffin: TCF-2/HNF-1 beta Antibody (CL0374) [NBP2-30678] - Staining in human kidney and tonsil tissues. Corresponding HNF1B RNA-seq data are presented for the same tissues.



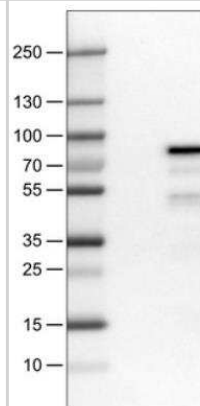
**Western Blot: TCF-2/HNF-1 beta Antibody (CL0374) [NBP2-30678]** - Analysis in human cell lines Caco-2 and A-431 using Anti-HNF1B antibody. Corresponding HNF1B RNA-seq data are presented for the same cell lines. Loading control: Anti-PARP1.



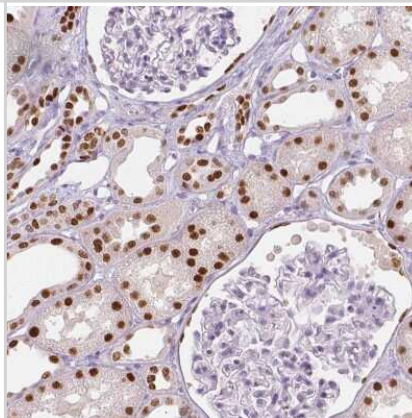
**Immunocytochemistry/Immunofluorescence: TCF-2/HNF-1 beta Antibody (CL0374) [NBP2-30678]** - Staining in A549 cell line showing spotty nuclear (without nucleoli) staining in green. Microtubule probes are visualized in red (where available). Antibody staining is shown in green.



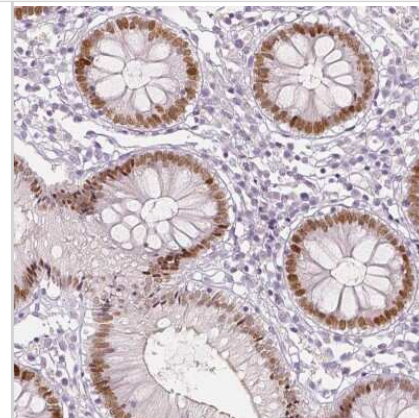
**Western Blot: TCF-2/HNF-1 beta Antibody (CL0374) [NBP2-30678]** - Lane 1: Marker [kDa] 250, 130, 95, 72, 55, 36, 28, 17, 10. Lane 2: Negative control (vector only transfected HEK293T lysate). Lane 3: Over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (3.1 kDa) in mammalian HEK293T cells).



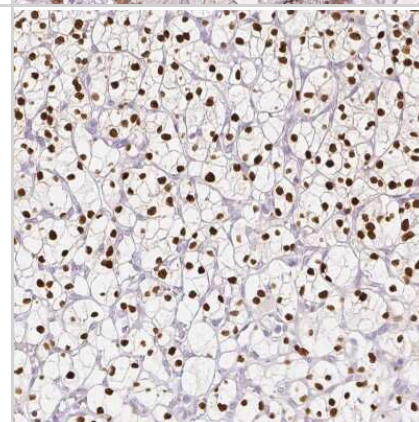
**Immunohistochemistry-Paraffin: TCF-2/HNF-1 beta Antibody (CL0374) [NBP2-30678]** - Staining of human kidney shows strong nuclear positivity in cells in tubules.



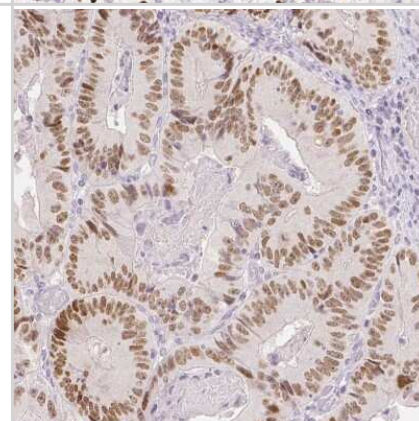
Immunohistochemistry-Paraffin: TCF-2/HNF-1 beta Antibody (CL0374) [NBP2-30678] - Staining of human colon shows moderate to strong nuclear positivity in glandular cells.



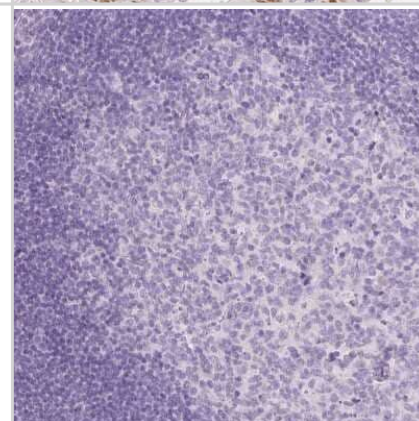
Immunohistochemistry-Paraffin: TCF-2/HNF-1 beta Antibody (CL0374) [NBP2-30678] - Staining of human renal cancer shows strong nuclear positivity in tumor cells.



Immunohistochemistry-Paraffin: TCF-2/HNF-1 beta Antibody (CL0374) [NBP2-30678] - Staining of human colorectal cancer shows moderate nuclear positivity in tumor cells.



Immunohistochemistry-Paraffin: TCF-2/HNF-1 beta Antibody (CL0374) [NBP2-30678] - Staining of human tonsil shows no positivity in lymphoid cells as expected.





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### **Products Related to NBP2-30678**

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NBP2-30678PEP	TCF-2/HNF-1 beta Recombinant Protein Antigen
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
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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