

# Product Datasheet

## HNF-4 alpha/NR2A1 Antibody - BSA Free NBP1-89679

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 2/21/2025 v.20.1

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**NBP1-89679**

HNF-4 alpha/NR2A1 Antibody - BSA Free

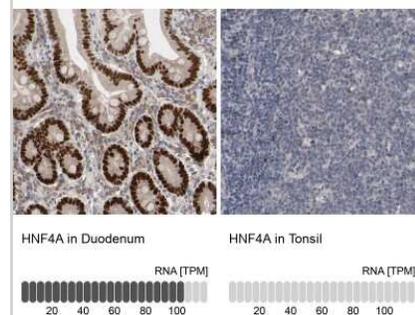
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Host	Rabbit
Gene ID	3172
Gene Symbol	HNF4A
Species	Human, Mouse, Rat
Reactivity Notes	Mouse reactivity reported in the scientific literature (PMID: 28827690). Rat reactivity reported in the scientific literature (PMID: 26468492).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: LLQEMLLGGSPSDAPHAHHPLHPLMQEHMGTNVIVANTMPHTLSNGQMCE WPRPRGQAATPETPQPSPGGSGSEPYKLLPGAVATIVKPLSAIPQPTITKQEV

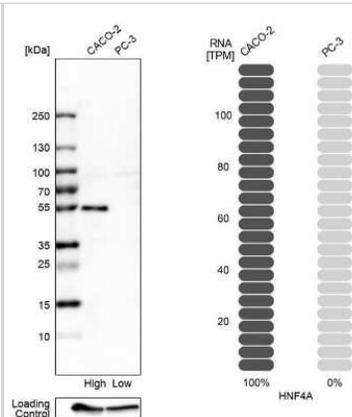
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50-1:200, Immunohistochemistry-Frozen Validated for IHC-Fr from a verified customer review.
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

**Images**

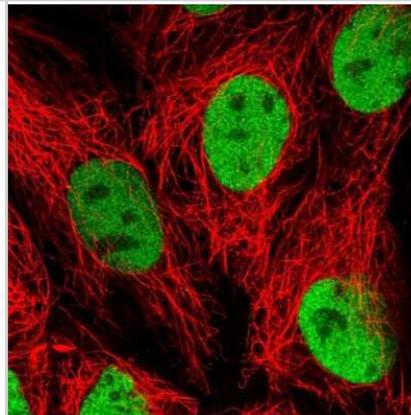
Immunohistochemistry-Paraffin: HNF-4 alpha/NR2A1 Antibody [NBP1-89679] - Staining in human duodenum and tonsil tissues using anti-HNF4A antibody. Corresponding HNF4A RNA-seq data are presented for the same tissues.



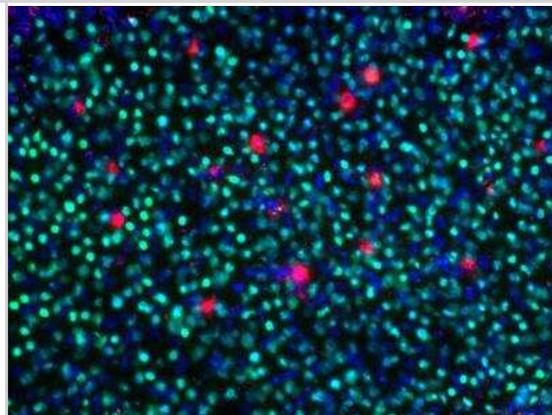
Western Blot: HNF-4 alpha/NR2A1 Antibody [NBP1-89679] - Analysis in human cell lines Caco-2 and PC-3 using anti-HNF4A antibody. Corresponding HNF4A RNA-seq data are presented for the same cell lines. Loading control: anti-GAPDH.



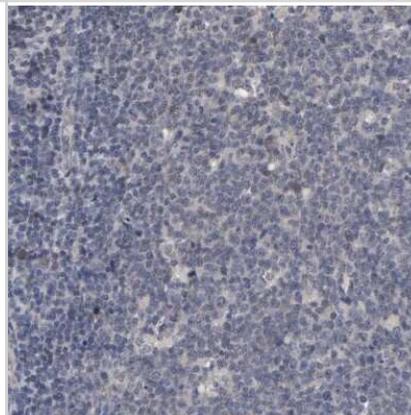
Immunocytochemistry/Immunofluorescence: HNF-4 alpha/NR2A1 Antibody [NBP1-89679] - Staining of human cell line CACO-2 shows localization to nucleoplasm. Antibody staining is shown in green.



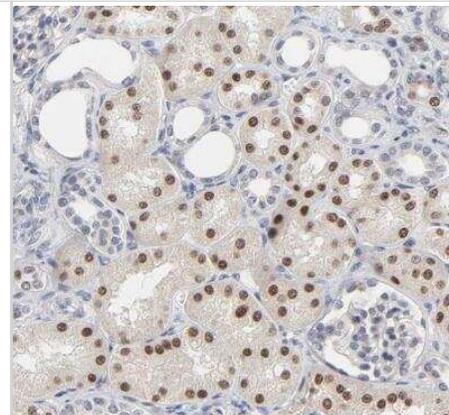
Immunohistochemistry-Frozen: HNF-4 alpha/NR2A1 Antibody [NBP1-89679] - Frozen 8 um rat liver tissue section fixed in formalin. HNF-4 alpha antibody at 1:100 (green). Multiplexed with a myeloperoxidase antibody (red). DAPI staining in blue. IHC-Fr image submitted by a verified customer review.



Immunohistochemistry-Paraffin: HNF-4 alpha/NR2A1 Antibody [NBP1-89679] - Staining of human tonsil shows low expression as expected.



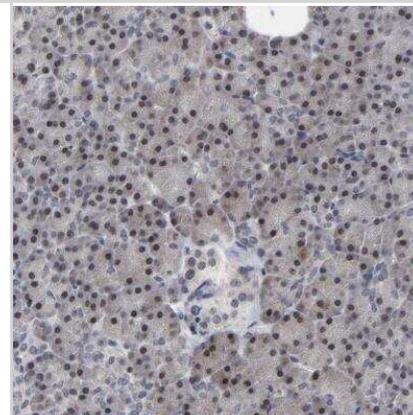
Immunohistochemistry-Paraffin: HNF-4 alpha/NR2A1 Antibody [NBP1-89679] - Staining of human kidney shows moderate nuclear positivity in cells in tubules.



Immunohistochemistry-Paraffin: HNF-4 alpha/NR2A1 Antibody [NBP1-89679] - Staining of human duodenum shows strong nuclear positivity in glandular cells.



Immunohistochemistry-Paraffin: HNF-4 alpha/NR2A1 Antibody [NBP1-89679] - Staining of human pancreas shows moderate nuclear positivity in exocrine glandular cells.



## Publications

C Engelmann, D Adebayo, M Oria, F De Chiara, S Novelli, A Habtesion, N Davies, F Andreola, R Jalan Recombinant Alkaline Phosphatase Prevents Acute on Chronic Liver Failure Sci Rep, 2020-01-15;10(1):389. 2020-01-15 [PMID: 31942020]

Zhang W, Zhong W, Sun Q et al. Hepatic overproduction of 13- HODE due to ALOX15 upregulation contributes to alcohol-induced liver injury in mice. Sci Rep 2017-08-21 [PMID: 28827690] (WB, Mouse)

Zhong W, Li Q, Sun Q et al. Preventing Gut Leakiness and Endotoxemia Contributes to the Protective Effect of Zinc on Alcohol-Induced Steatohepatitis in Rats. J Nutr. 2015-10-14 [PMID: 26468492] (IF/IHC, WB, Rat)

Caroline Bonner, Julie Kerr-Conte, Valery Gmyr et al. Inhibition of the glucose transporter SGLT2 with dapagliflozin in pancreatic alpha cells triggers glucagon secretion. Nature Medicine 2015-04-20 [PMID: 25894829] (ICC/IF, Human)

Mezentsev A, Amundson SA et al. Global gene expression responses to low- or high-dose radiation in a human three-dimensional tissue model. Radiat Res 2011-06-01 [PMID: 21486161]



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP1-89679**

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NBP1-89679PEP	HNF-4 alpha/NR2A1 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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