

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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NBP1-89679

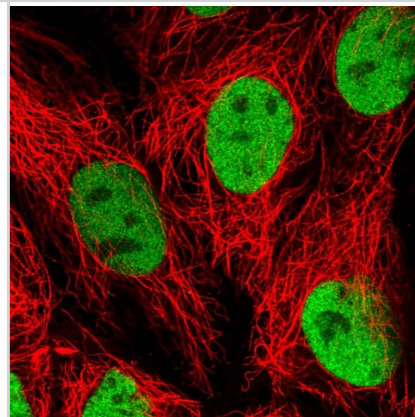
HNF-4 alpha/NR2A1 Antibody - BSA Free

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	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: LLQEMLLGGSPSDAPHAHHPLHPLHMQEHMGTNVIVANTMPHTLSNGQMCE WPRPRGQAATPETPQPSPGGSGSEPYKLLPGAVATIVKPLSAIPQPTITKQEV
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Chromatin Immunoprecipitation-exo-Seq
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., Chromatin Immunoprecipitation-exo-Seq 1-10ug per reaction
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

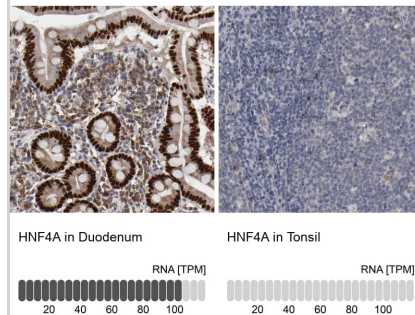


Images

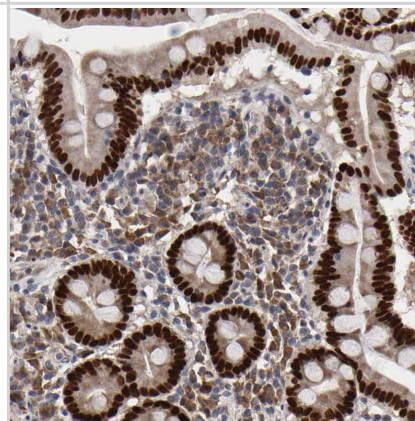
Staining of human cell line CACO-2 shows localization to nucleoplasm.



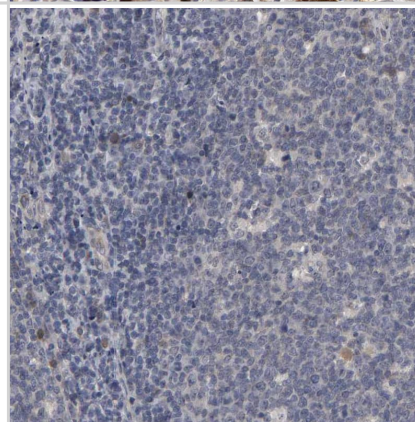
Analysis in human duodenum and tonsil tissues using NBP1-89679 antibody. Corresponding HNF4A RNA-seq data are presented for the same tissues.



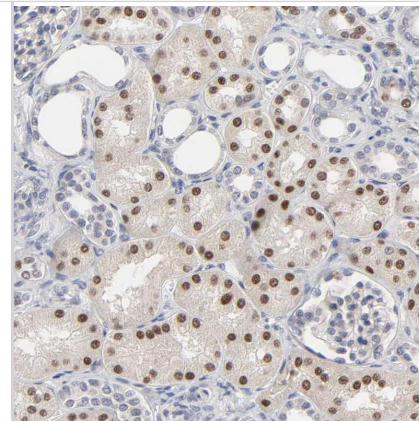
Staining of human duodenum shows strong nuclear positivity in glandular cells.



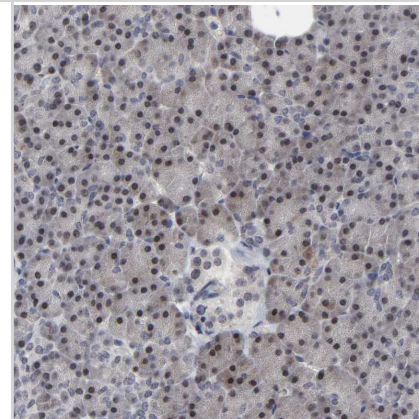
Staining of human tonsil shows no positivity as expected.



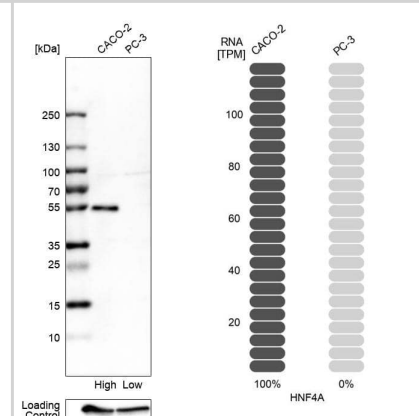
Staining of human kidney shows moderate nuclear positivity in cells in tubules.



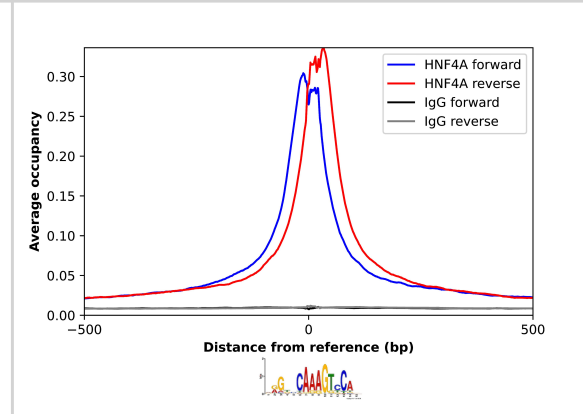
Staining of human pancreas shows moderate nuclear positivity in exocrine glandular cells.



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.



ChIP-Exo-Seq composite graph for Anti-HNF4A (NBP1-89679) tested in HepG2 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

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]





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Products Related to NBP1-89679

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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