

HNF4A Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP9435a

Product Information

Application	WB, IF, E
Primary Accession	P41235
Other Accession	Q9WUU6 , Q14541 , Q91766 , P22449 , P49698
Reactivity	Human
Predicted	Mouse, Rat, Xenopus
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB17744
Calculated MW	52785
Antigen Region	107-139

Additional Information

Gene ID	3172
Other Names	Hepatocyte nuclear factor 4-alpha, HNF-4-alpha, Nuclear receptor subfamily 2 group A member 1, Transcription factor 14, TCF-14, Transcription factor HNF-4, HNF4A, HNF4, NR2A1, TCF14
Target/Specificity	This HNF4A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 107-139 amino acids from the N-terminal region of human HNF4A.
Dilution	WB~~1:1000 IF~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	HNF4A Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	HNF4A
Synonyms	HNF4, NR2A1, TCF14

Function	Transcriptional regulator which controls the expression of hepatic genes during the transition of endodermal cells to hepatic progenitor cells, facilitating the recruitment of RNA pol II to the promoters of target genes (PubMed: 30597922). Activates the transcription of CYP2C38 (By similarity). Represses the CLOCK-BMAL1 transcriptional activity and is essential for circadian rhythm maintenance and period regulation in the liver and colon cells (PubMed: 30530698).
Cellular Location	Nucleus.

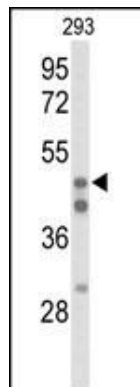
Background

HNF4A is a nuclear transcription factor which binds DNA as a homodimer. The encoded protein controls the expression of several genes, including hepatocyte nuclear factor 1 alpha, a transcription factor which regulates the expression of several hepatic genes. This gene may play a role in development of the liver, kidney, and intestines.

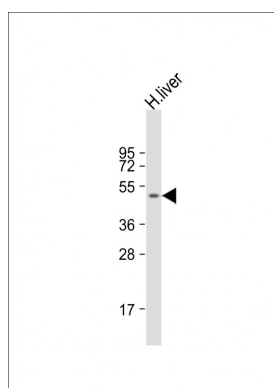
References

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Images

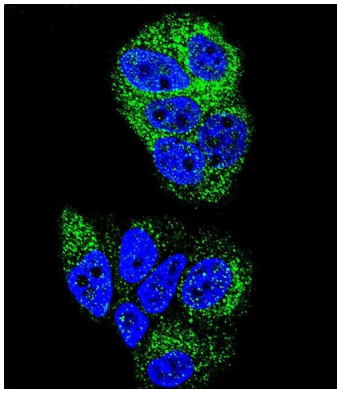


Western blot analysis of HNF4A Antibody (N-term) (Cat. #AP9435a) in 293 cell line lysates (35ug/lane). HNF4A (arrow) was detected using the purified Pab.



Anti-HNF4A Antibody (N-term) at 1:1000 dilution + human liver lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 53 kDa
Blocking/Dilution buffer: 5% NFDM/TBST.

Confocal immunofluorescent analysis of HNF4A Antibody (N-term)(Cat#AP9435a) with MCF-7 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.