

HNF4A, Rabbit pAb

- ALTERNATE NAMES:** Transcription factor 14; Nuclear receptor subfamily 2 group A member 1; Transcription factor HNF-4; Hepatocyte nuclear factor 4-alpha; HNF-4-alpha; HNF4A; HNF4; NR2A1; TCF14
- CATALOG #:** 3121-100
- AMOUNT:** 100 µg
- HOST (ISOTYPE):** Rabbit (Ig)
- IMMUNOGEN:** This HNF4A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 289~319 amino acids from the center region of human HNF4A.
- SPECIES REACTIVITY:** Human
- FORMULATION:** 100 µg (0.25 mg/ml) 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 CONDITIONS:** Maintain refrigerated at 2-8°C for up to 6 months or -20°C for long term storage.

DESCRIPTION:

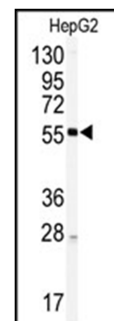
HNF4A is a nuclear transcription factor which binds DNA as a homodimer. This protein controls the expression of several genes, including hepatocyte nuclear factor 1 alpha, a transcription factor which regulates the expression of several hepatic genes. This protein may play a role in development of the liver, kidney, and intestines. Mutations in the HNF4A gene have been associated with monogenic autosomal dominant non-insulin-dependent diabetes mellitus type I.

- SPECIFICITY:** The antibody detects a ~ 53 kDa band, corresponding to the expected molecular mass of HNF4 on immunoblots.
- APPLICATION:** The antibody can be used for ELISA (0.25 µg/ml), Western blotting (2.5 – 5.0 µg/ml), Immunofluorescence (1:10 – 1:50) and Flow cytometry (1:10 – 1:50).

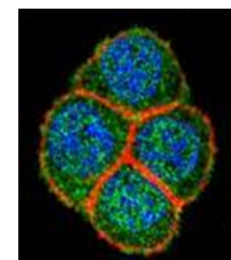
BACKGROUND REFERENCES:

1. Kritis A.A., Argyrokastritis A. Gene 173:275-280(1996)
2. Yamagata K., Furuta H., Oda N. Nature 384:458-460(1996)
3. Furuta H., Iwasaki N., Oda N. Diabetes 46:1652-1657(1997)
4. Moeller A.M., Urhammer S.A. Diabetologia 40:980-983(1997)

FOR RESEARCH USE ONLY! Not to be used on humans.

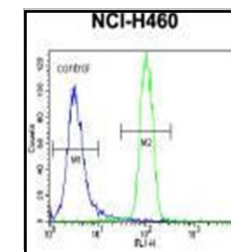


Western blot analysis of anti-HNF4A antibody (Cat.#3121-100) in HepG2 cell line lysates (35µg/lane). HNF4A (arrow) was detected using the purified pAb.



Confocal immunofluorescent analysis of HNF4A Antibody with HeLa cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red). DAPI was used to stain the cell nuclear (blue).

HNF4A Antibody (flow cytometric analysis of NCI-H460 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



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- Membrane Protein Extraction Kit
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