

HNF4A Rabbit mAb

Catalog No.: A29271 **Recombinant**

Basic Information

Observed MW

53 kDa

Calculated MW

44-56 kDa

Category

Primary antibody

Applications

WB,IP,IF/ICC,ChIP,ELISA

Cross-Reactivity

Human

CloneNo number

ARC3728

Background

The protein encoded by this gene 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. Mutations in this gene have been associated with monogenic autosomal dominant non-insulin-dependent diabetes mellitus type I. Alternative splicing of this gene results in multiple transcript variants encoding several different isoforms.

Recommended Dilutions

WB 1:2000 - 1:10000**IP** 0.5 µg - 4 µg antibody for
400 µg - 600 µg extracts of
whole cells**IF/ICC** 1:200 - 1:800**ChIP** 2 µg antibody for 10 µg - 15
µg of Chromatin**ELISA** Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on your
specific assay requirements.
For high-ratio antibody
dilutions ($\geq 1:10000$) a
sequential dilution method
is strongly recommended to
ensure measurement
accuracy.

Immunogen Information

Gene ID

3172

Swiss Prot

P41235

Immunogen

This information is considered to be commercially sensitive.

SynonymsTCF; HNF4; MODY; FRTS4; MODY1; NR2A1; TCF14; HNF4a7; HNF4a8; HNF4a9; NR2A21;
TCF-14; HNF4alpha

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

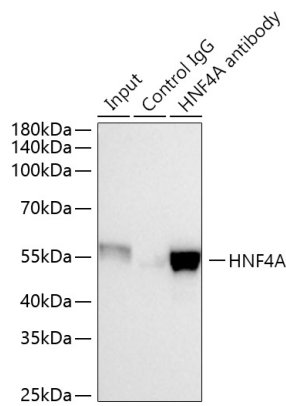
Contact

☎ | 400-999-6126

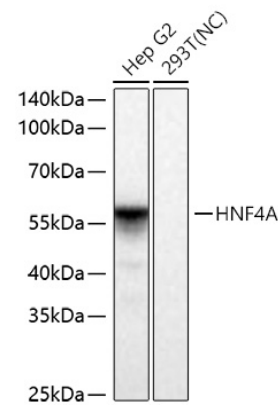
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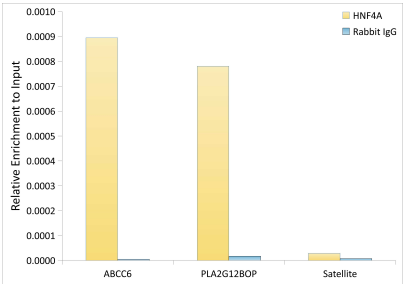
Validation Data



Immunoprecipitation of HNF4A from 400 µg extracts of Hep G2 cells was performed using 0.5 µg of HNF4A Rabbit mAb (A29271). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using HNF4A Rabbit mAb (A29271) at a dilution of 1:5000.



Western blot analysis of various lysates using HNF4A Rabbit mAb (A29271) at 1:5000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Negative control (NC): 293T.
Exposure time: 1 s.



Chromatin immunoprecipitation was performed with 15 µg of cross-linked chromatin from Hep G2 cells, using 2 µg of HNF4A Rabbit mAb (A29271) and Rabbit IgG isotype control (AC042). The enrichment of immunoprecipitated DNA at different genomic loci was examined by quantitative PCR. The histogram compares the ratio of the immunoprecipitated DNA to the input at given loci.