

# HNF3 $\beta$ /FOXA2 Rabbit mAb

Catalog No.: A19053

Recombinant

4 Publications

## Basic Information

**Observed MW**

52kDa

**Calculated MW**

48kDa

**Category**

Primary antibody

**Applications**

WB, IF/ICC, IP, ELISA

**Cross-Reactivity**

Human, Rat

**CloneNo number**

ARC0391

## Background

This gene encodes a member of the forkhead class of DNA-binding proteins. These hepatocyte nuclear factors are transcriptional activators for liver-specific genes such as albumin and transthyretin, and they also interact with chromatin. Similar family members in mice have roles in the regulation of metabolism and in the differentiation of the pancreas and liver. This gene has been linked to sporadic cases of maturity-onset diabetes of the young. Transcript variants encoding different isoforms have been identified for this gene.

## Recommended Dilutions

**WB** 1:1000 - 1:2000**IF/ICC** 1:100 - 1:800**IP** 0.5 $\mu$ g-4 $\mu$ g antibody for  
200 $\mu$ g-400 $\mu$ g extracts of  
whole cells**ELISA** Recommended starting  
concentration is 1  $\mu$ g/mL.  
Please optimize the  
concentration based on  
your specific assay  
requirements.

## Immunogen Information

**Gene ID**

3170

**Swiss Prot**


Q9Y261

**Immunogen**

Synthetic peptide. This information is considered to be commercially sensitive.

**Synonyms**HNF3B; TCF3B; HNF-3-beta; HNF3 $\beta$ /FOXA2

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

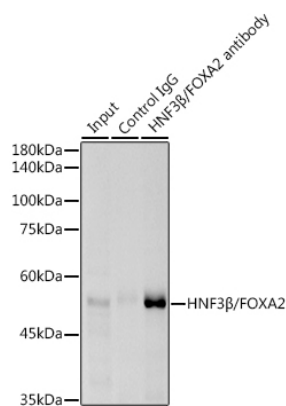
Affinity purification

**Storage**

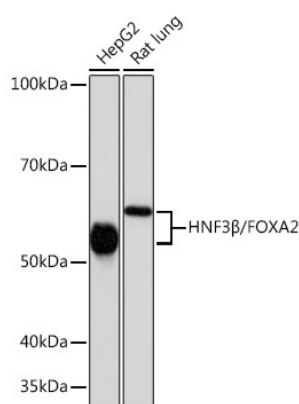
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

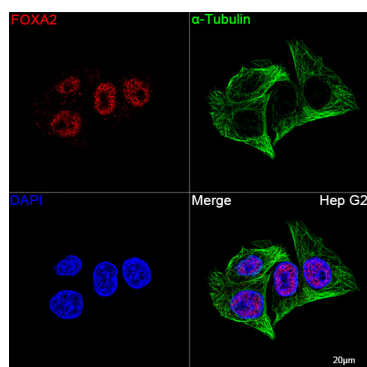
## Validation Data



Immunoprecipitation analysis of 300 µg extracts of HepG2 cells using 3 µg HNF3β/FOXA2 antibody (A19053). Western blot was performed from the immunoprecipitate using HNF3β/FOXA2 antibody (A19053) at a dilution of 1:1000.



Western blot analysis of various lysates using HNF3β/FOXA2 Rabbit mAb (A19053) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 3min.



Confocal imaging of Hep G2 cells using HNF3β/FOXA2 Rabbit mAb (A19053, dilution 1:100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.