# HNF3β/FOXA2 Rabbit mAb

Catalog No.: A19053 Recombinant 4 Publications



### **Basic Information**

### **Observed MW**

55kDa

#### **Calculated MW**

48kDa

### Category

Primary antibody

### **Applications**

WB,IF/ICC,IP,ELISA

#### **Cross-Reactivity**

Human

#### 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 0.5μg-4μg antibody for 200μg-400μg extracts of

whole cells

**ELISA** Recommended starting

concentration is 1 µg/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; HNF3β/FOXA2

### **Contact**

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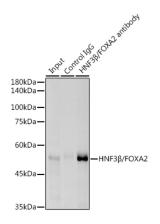
### **Product Information**

SourceIsotypePurificationRabbitIgGAffinity purification

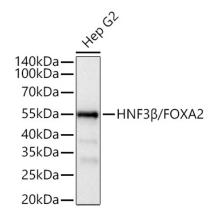
#### Storage

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

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



Immunoprecipitation analysis of 300  $\mu$ g extracts of HepG2 cells using 3  $\mu$ g HNF3 $\beta$ /FOXA2 antibody (A19053). Western blot was performed from the immunoprecipitate using HNF3 $\beta$ /FOXA2 antibody (A19053) at a dilution of 1:1000.



Western blot analysis of lysates from Hep G2 cells using HNF3 $\beta$ /FOXA2 Rabbit mAb (A19053) at 1:1000 dilution incubated at room temperature for 1.5 hours.

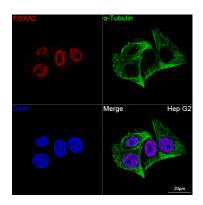
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 45s.



Confocal imaging of Hep G2 cells using HNF3 $\beta$ /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  $\alpha$ -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.