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FOXA1 Rabbit mAb

Catalog No.: A29267 Recombinant

Basic Information

Observed MW
45-50 kDa

Calculated MW
45 kDa/49 kDa

Category
Primary antibody

Applications
WB,IP,IF/ICC,ChIP,ELISA

Cross-Reactivity
Human

CloneNo number
ARC4130

Background

This gene encodes a member of the forkhead class of DNA-binding proteins. These hepatocyte nuclear factors are transcriptional activators for liver-specific transcripts 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.

Recommended Dilutions

WB	1:3000 - 1:15000
IP	0.5 μg - 4 μg antibody for 200 μg - 400 μg extracts of whole cells
IF/ICC	1:200 - 1:2000
ChIP	2 μg antibody for 15 μg - 20 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 (≥1:10000)，a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID
3169

Swiss Prot
P55317

Immunogen
This information is considered to be commercially sensitive.

Synonyms
HNF3A; TCF3A

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. 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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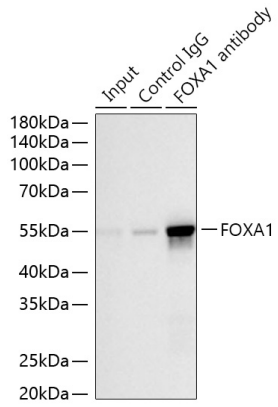
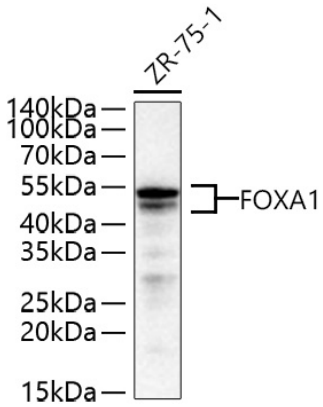
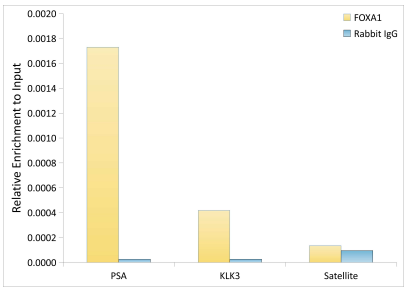
Validation Data



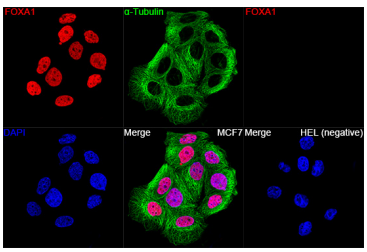
Immunoprecipitation of FOXA1 from 300 µg extracts of Hep G2 cells was performed using 1 µg of FOXA1 Rabbit mAb (A29267). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using FOXA1 Rabbit mAb (A29267) at a dilution of 1:5000.



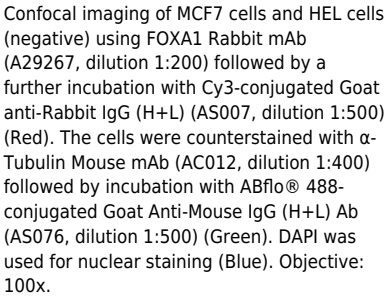
Western blot analysis of lysates from ZR-75-1 cells using FOXA1 Rabbit mAb (A29267) at 1:7000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1 s.



Chromatin immunoprecipitation was performed with 20 µg of cross-linked chromatin from LNCaP cells, using 2 µg of FOXA1 Rabbit mAb (A29267) 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.



Validation Data



Confocal imaging of MCF7 cells and HEL cells (negative) using FOXA1 Rabbit mAb (A29267, dilution 1:200) followed by a further incubation with Cy3-conjugated 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.